UNITED STATES DISTRICT COURT SOUTHERN DISTRICT OF NEW YORK

FOURSQUARE LABS, INC.,

Plaintiff,

٧.

BLUE CALYPSO, INC.,

Defendant.

Civil Action No. 13-cv-3092 (CM)

JURY TRIAL DEMANDED

SECOND AMENDED COMPLAINT FOR DECLARATORY JUDGMENT OF PATENT INVALIDITY AND NON-INFRINGEMENT

Plaintiff Foursquare Labs, Inc. ("Foursquare"), by and through its undersigned counsel, complains and alleges against Defendant Blue Calypso, Inc. ("Blue Calypso") as follows:

INTRODUCTION

1. This is an action for declaratory relief pursuant to Federal Rule of Civil Procedure 57 and 28 U.S.C. § 2201. Foursquare seeks a declaration that U.S. Patent No. 8,438,055 ("the '055 patent") (annexed hereto as Exhibit A); U.S. Patent No. 8,452,646 ("the '646 patent") (annexed hereto as Exhibit B); and U.S. Patent No. 8,457,670 ("the '670 patent") (annexed hereto as Exhibit C) (collectively, "the patents-in-suit") are invalid and a declaration that Foursquare does not infringe the patents-in-suit. This action arises out of allegations by Blue Calypso that Foursquare infringes one or more claims of the patents-in-suit and is based on the patent laws of the United States, 35 U.S.C. § 100 et seq.

PARTIES

2. Foursquare is a Delaware corporation with its principal place of business at 568 Broadway, 10th Floor, New York, NY 10012.

3. On information and belief, Defendant Blue Calypso is a Delaware corporation, with its principal place of business at 19111 North Dallas Parkway, Suite 200, Dallas, Texas 75287.

JURISDICTION AND VENUE

- 4. This action arises under the patent laws of the United States, 35 U.S.C. § 101 *et seq.*, and the Declaratory Judgment Act, 28 U.S.C. §§ 2201 *et seq.* This Court has subject matter jurisdiction pursuant to 28 U.S.C. §§ 1331 and 1338(a).
 - 5. This Court has personal jurisdiction over Blue Calypso.
- 6. Upon information and belief, a substantial part of the events giving rise to the claims occurred in this district. Venue in this Court is thus proper under 28 U.S.C. § 1391. Venue is further proper under 28 U.S.C. § 1400(b).

FIRST CLAIM FOR RELIEF

DECLARATION OF INVALIDITY OF U.S. PATENT NO. 8,438,055

- 7. Foursquare hereby incorporates by reference and realleges each and every allegation of the preceding paragraphs.
- 8. An actual and justiciable controversy requiring declaratory relief exists between Foursquare and Blue Calypso regarding the validity of the '055 patent.
- 9. The claims of the '055 patent are invalid for failure to comply with the requirements of 35 U.S.C. § 101 *et seq.*, including without limitation, §§ 101, 102, 103 and/or 112.
- 10. Foursquare hereby seeks a declaration that the claims of the '055 patent are invalid.

SECOND CLAIM FOR RELIEF

DECLARATION OF NON-INFRINGEMENT OF U.S. PATENT NO. 8,438,055

- 11. Foursquare hereby incorporates by reference and realleges each and every allegation of the preceding paragraphs.
- 12. An actual and justiciable controversy requiring declaratory relief exists between Foursquare and Blue Calypso regarding infringement of the '055 patent.
- 13. Foursquare has not infringed and does not infringe directly, jointly, contributorily, or by inducement any valid and enforceable claim of the '055 patent, either literally or under the doctrine of equivalents.
- 14. Foursquare hereby seeks a declaration that it does not infringe the '055 patent or contribute to or induce infringement by others.

THIRD CLAIM FOR RELIEF

DECLARATION OF INVALIDITY OF U.S. PATENT NO. 8,452,646

- 15. Foursquare hereby incorporates by reference and realleges each and every allegation of the preceding paragraphs.
- 16. An actual and justiciable controversy requiring declaratory relief exists between Foursquare and Blue Calypso regarding the validity of the '646 patent.
- 17. The claims of the '646 patent are invalid for failure to comply with the requirements of 35 U.S.C. § 101 *et seq.*, including without limitation, §§ 101, 102, 103 and/or 112.
- 18. Foursquare hereby seeks a declaration that the claims of the '646 patent are invalid.

FOURTH CLAIM FOR RELIEF

DECLARATION OF NON-INFRINGEMENT OF U.S. PATENT NO. 8,452,646

- 19. Foursquare hereby incorporates by reference and realleges each and every allegation of the preceding paragraphs.
- 20. An actual and justiciable controversy requiring declaratory relief exists between Foursquare and Blue Calypso regarding infringement of the '646 patent.
- 21. Foursquare has not infringed and does not infringe directly, jointly, contributorily, or by inducement any valid and enforceable claim of the '646 patent, either literally or under the doctrine of equivalents.
- 22. Foursquare hereby seeks a declaration that it does not infringe the '646 patent or contribute to or induce infringement by others.

FIFTH CLAIM FOR RELIEF

DECLARATION OF INVALIDITY OF U.S. PATENT NO. 8,457,670

- 23. Foursquare hereby incorporates by reference and realleges each and every allegation of the preceding paragraphs.
- 24. An actual and justiciable controversy requiring declaratory relief exists between Foursquare and Blue Calypso regarding the validity of the '670 patent.
- 25. The claims of the '670 patent are invalid for failure to comply with the requirements of 35 U.S.C. § 101 *et seq.*, including without limitation, §§ 101, 102, 103 and/or 112.
- 26. Foursquare hereby seeks a declaration that the claims of the '670 patent are invalid.

SIXTH CLAIM FOR RELIEF

DECLARATION OF NON-INFRINGEMENT OF U.S. PATENT NO. 8,457,670

- 27. Foursquare hereby incorporates by reference and realleges each and every allegation of the preceding paragraphs.
- 28. An actual and justiciable controversy requiring declaratory relief exists between Foursquare and Blue Calypso regarding infringement of the '670 patent.
- 29. Foursquare has not infringed and does not infringe directly, jointly, contributorily, or by inducement any valid and enforceable claim of the '670 patent, either literally or under the doctrine of equivalents.
- 30. Foursquare hereby seeks a declaration that it does not infringe the '670 patent or contribute to or induce infringement by others.

PRAYER FOR RELIEF

WHEREFORE, Foursquare prays for an order entering judgment as follows:

- A. Declaring that the claims of the '055 patent are invalid.
- B. Declaring that Foursquare has not infringed and does not infringe directly, jointly, contributorily, or by inducement any valid and enforceable claim of the '055 patent, either literally or under the doctrine of equivalents.
 - C. Declaring that the claims of the '646 patent are invalid;
- D. Declaring that Foursquare has not infringed and does not infringe directly, jointly, contributorily, or by inducement any valid and enforceable claim of the '646 patent, either literally or under the doctrine of equivalents;.
 - E. Declaring that the claims of the '670 patent are invalid;

- F. Declaring that Foursquare has not infringed and does not infringe directly, jointly, contributorily, or by inducement any valid and enforceable claim of the '670 patent, either literally or under the doctrine of equivalents;
 - G. Awarding Foursquare its costs in this matter;
 - H. Awarding Foursquare its attorneys' fees pursuant to 35 U.S.C. § 285; and
 - I. Awarding any other and further relief as the Court may deem just and proper.

JURY DEMAND

Foursquare demands a trial by jury on all issues so triable.

Date July 29, 2013

Respectfully submitted,

By:

Theodore K. Cheng (TC-8414) Fox Horan & Camerini LLP 825 Third Avenue, New York, NY 10022 Telephone: (212) 480-4800 Facsimile: (212) 26-2383

tcheng@foxlex.com

Craig R. Smith (CS-0205)
William J. Seymour (WS-1801)
LANDO & ANASTASI, LLP
Riverfront Office Park
One Main Street – 11th Floor
Cambridge, MA 02142
Telephone (617) 395-7000
Facsimile: (617)-395-7070

csmith@lalaw.com

Counsel for Foursquare Labs, Inc.

Exhibit A

(12) United States Patent Levi et al.

(10) Patent No.:

US 8,438,055 B2

(45) Date of Patent:

*May 7, 2013

(54) SYSTEM AND METHOD FOR PROVIDING ENDORSED ADVERTISEMENTS AND TESTIMONIALS BETWEEN COMMUNICATION DEVICES

(75) Inventors: Andrew E. Levi, Plano, TX (US);

Bradley W. Bauer, Richardson, TX

(US)

(73) Assignee: Blue Calypso, LLC, Dallas, TX (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35

U.S.C. 154(b) by 344 days.

This patent is subject to a terminal dis-

claimer.

(21) Appl. No.: 12/803,635

(22) Filed: Jul. 1, 2010

(65) Prior Publication Data

US 2012/0004971 A1 Jan. 5, 2012

(51) Int. Cl. *G06Q 30/00* (2012.01)

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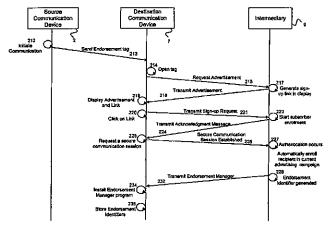
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Primary Examiner — Saba Dagnew (74) Attorney, Agent, or Firm — Schultz & Associates, P.C.

(57) ABSTRACT

A system and method are disclosed for distribution of advertisements between communication devices. The system and method provides for accounting and distribution of incentives related to distribution of the advertisements. The system further provides for association of testimonials from advertising recipients related to the advertisement and for distribution of the testimonials to communication devices. A bi-directional selection between subscribers and advertisers using the system is created whereby both advertisers and subscribers agree to participate in the distribution of advertisements and testimonials.

14 Claims, 12 Drawing Sheets



Automatic Subscriber Enrollment Process

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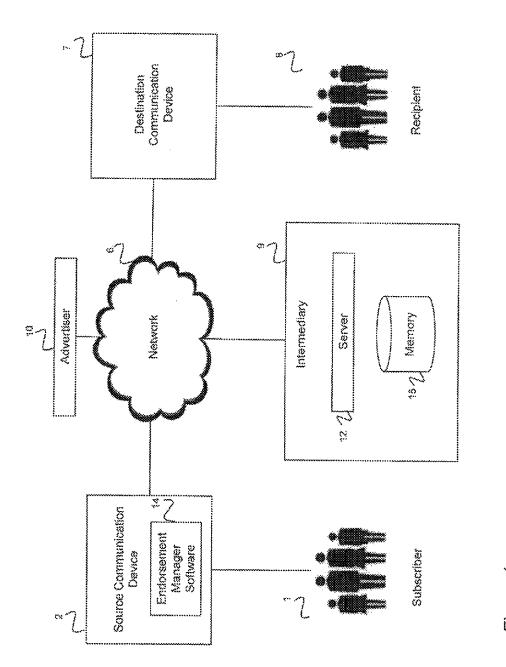
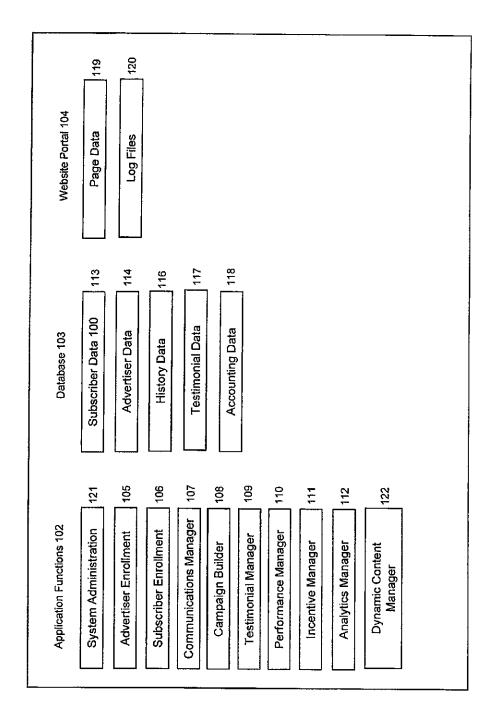


Figure 1

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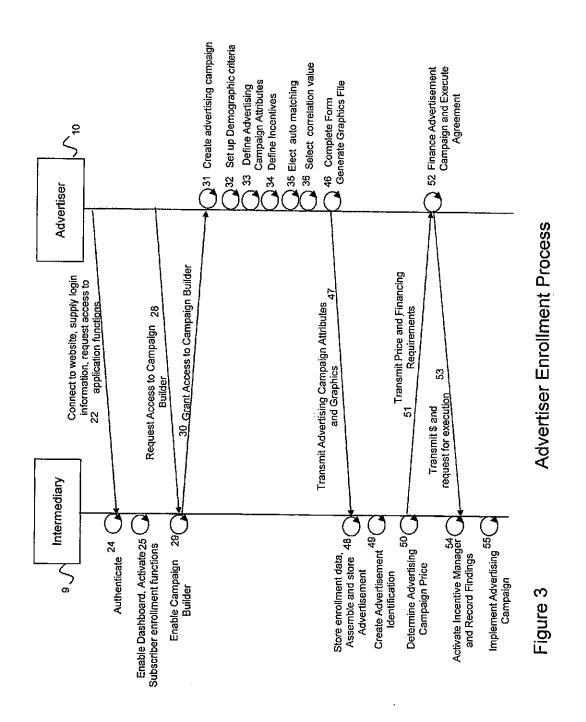


Intermediary 9

Figure 2

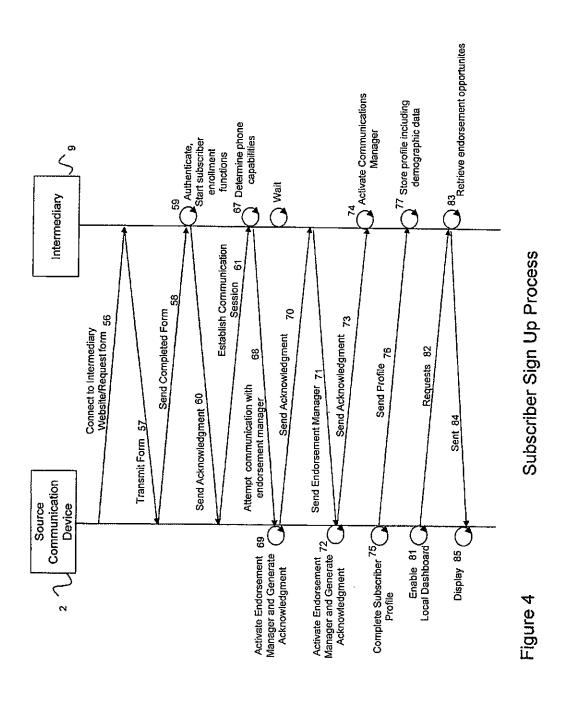
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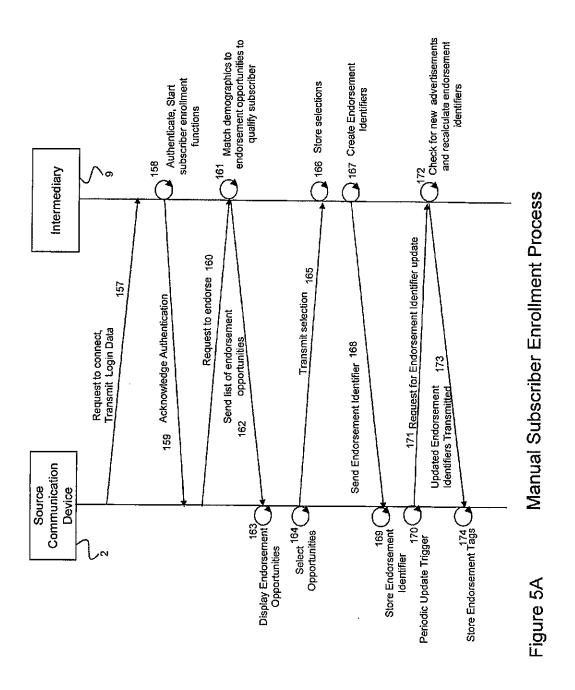
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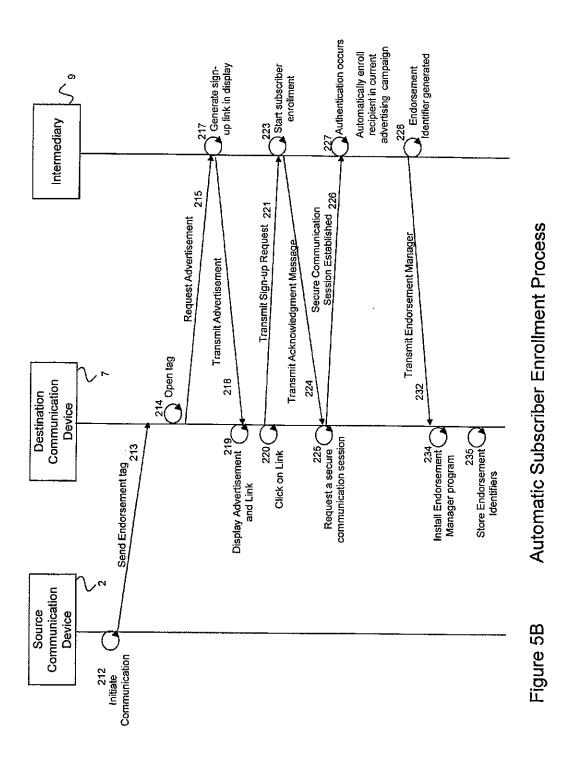
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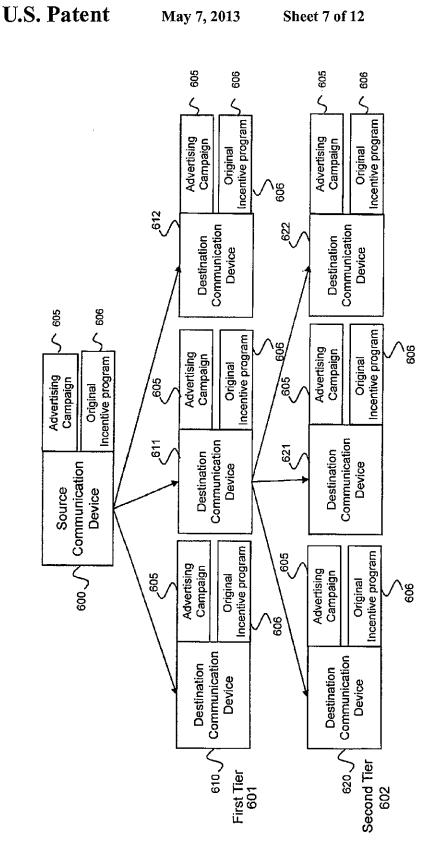
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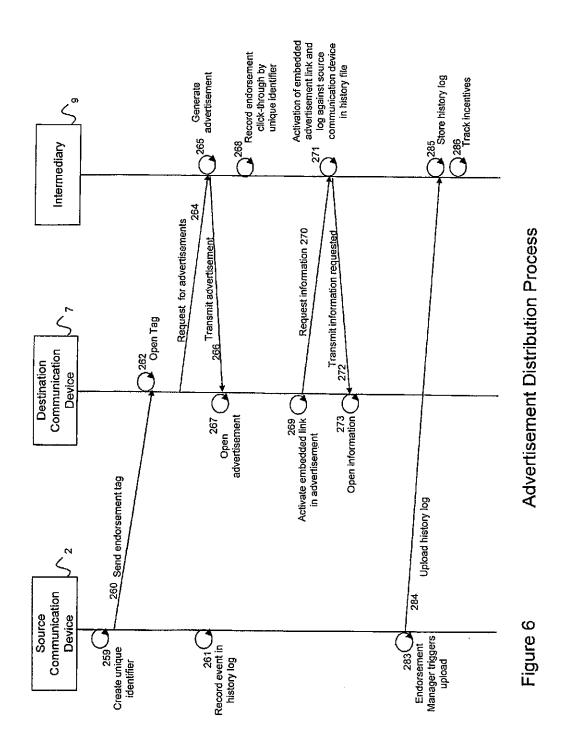




Automatic Multi-Tier Subscriber Enrollment Process Figure 5C

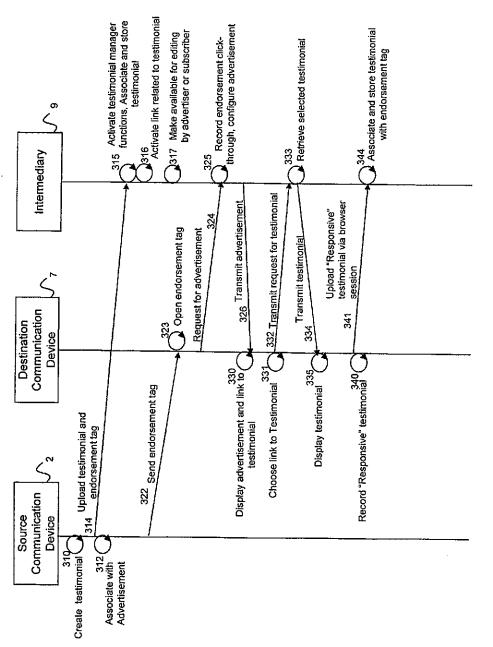
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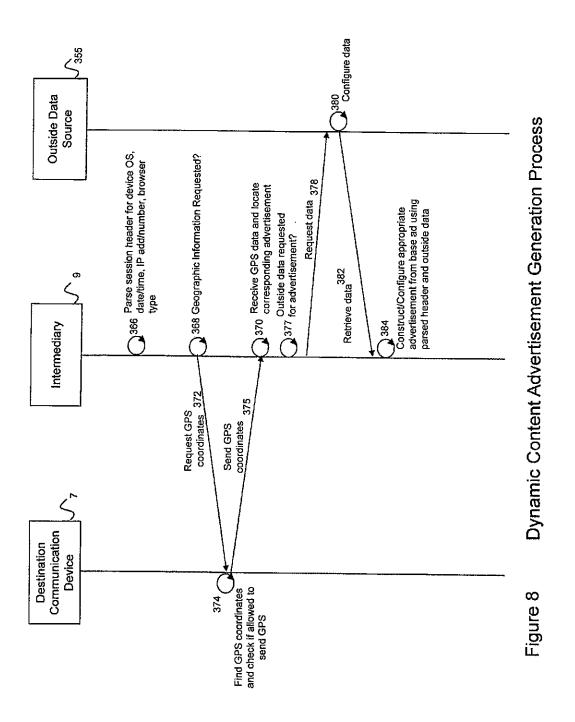


Testimonial Distribution Process

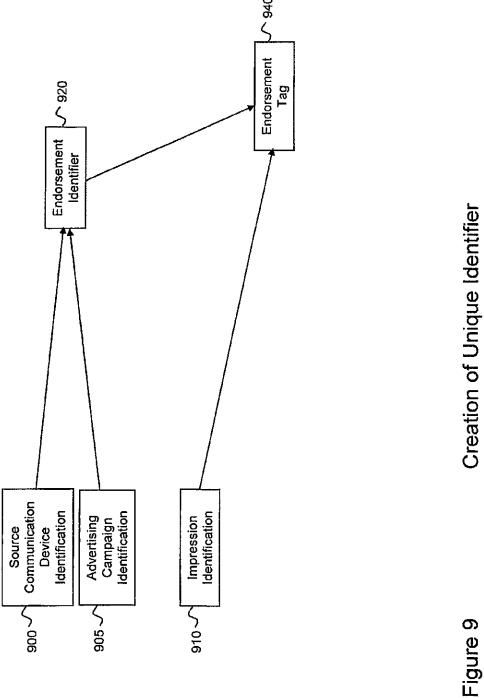
Figure 7

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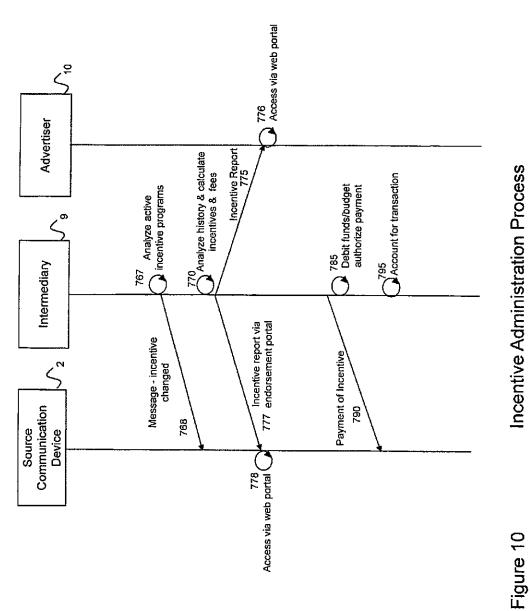


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Incentive Administration Process

SYSTEM AND METHOD FOR PROVIDING ENDORSED ADVERTISEMENTS AND TESTIMONIALS BETWEEN COMMUNICATION DEVICES

CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims priority from U.S. Pat. No. 7,664, 516 filed on Dec. 23, 2005 and U.S. Provisional Patent Appli- 10 cation No. 60/639,267 filed Dec. 27, 2004, entitled "A Method and System for Peer-to-Pcer Advertising Between Mobile Devices" and U.S. patent application Ser. No. 12/592, 019 filed Nov. 18, 2009 and entitled "System and Method for Peer-to-Peer Advertising Between Mobile Communication 15 Devices." The disclosure in U.S. Pat. No. 7,664,516 and U.S. patent application Ser. No. 12/592,019 are incorporated herein by reference.

BACKGROUND

It is well known that traditional advertising media such as newspapers, public radio and television has suffered a dramatic decrease in popularity and advertising effectiveness with the advent of the internet and mobile phone technology. 25 Advertisers, therefore, are highly motivated to identify new methods of distributing advertisements in order to create effective brand awareness. As newer technologies such as mobile phones evolve into highly sophisticated two-way communication systems, such technologies can be leveraged 30 to provide trackable advertising impressions and brand awareness by directly displaying advertisements and testimonials to potential customers.

Today, consumers can control which advertisements reach them more effectively than in the past. For example, newer 35 technologies like digital video recorders (DVRs) allow users to skip undesirable advertisements. Satellite radio allows users to listen to music without commercials.

With the declining ability to offer advertisements through traditional broadcast advertising media, this invention pro- 40 vides an advertising system that offers frequent and effective advertising to demographically targeted audiences.

This invention also provides a system in which recipients view personally endorsed advertisements by known contacts to increase the acceptance of the advertisement and to link to 45 personalized testimonials of the advertisement for distribution to the existing personal contacts.

This invention also provides a system to incorporate testimonials, related advertisements and for delivering such testimonials with communication devices such as cell phones. 50

Other advantages and aspects of the invention will become apparent upon reading the following disclosure.

SUMMARY

The system disclosed provides for transmission of an endorsement tag between a source communication device and a destination communication device over a network. The endorsement tag includes a serialized URL link that when activated causes an advertisement to be sent from a third party 60 provided by an advertiser and associated with an endorsement intermediary to the destination communication device over the network. The intermediary functions to, among other things, identify which advertisement to send by virtue of decoding the serialized URL link and associating that link with a stored advertisement.

The system provides for a "bi-directional" selection process between a subscriber and an advertiser. The bi-direc2

tional selection process allows subscribers to choose or "endorse" certain advertisers with which they wish to associate. The bi-directional selection process also allows advertisers to choose which subscribers to use by virtue of a review of related demographic information of each subscriber and pre-qualification of acceptable candidates.

The advertiser determines if the subscriber is pre-qualified based on a correlation between the subscriber's demographics and those desired by the advertiser. Pre-qualification of one subscriber allows the advertiser to target advertisements to a related group of potential customers because the qualified subscriber's contacts presumably share some or all of the same demographic features. Therefore, the contacts of the subscriber provide broad potential market to the advertiser, while requiring only a single demographic comparison to the subscriber. This allows an advertiser to focus its advertisements on favorable target markets without having to examine the demographics of a large number of potentially unqualified 20 prospects.

The system disclosed enables advertisers to reach targeted audiences by contact with mobile communications devices. Current mobile communication devices encourage the recipient of a communication to accept advertisements because the session is identified as being initiated by a known contact. Only after acceptance by the recipient is the advertisement and associated testimonial displayed. Subscribers and recipients are provided incentives to participate. Cash incentives are provided on debit cards or cash distributions.

In another embodiment, tools for social networking, including tools for the creation and display of testimonials, are combined with the incentive programs. These tools encourage recipient comments and follow-up testimonial messages. The embodiment provides for the storage, retrieval and display of the follow-up testimonial messages in connection with an advertisement.

In another embodiment, a hierarchical network of subscribers results from an initial communication. Each subscriber in the hierarchical network inherits features from the original subscriber including features of the original subscriber's profile. The inheritance accelerates the building of qualified subscribers and a broad advertising audience.

Provisions are made for incentive administration and reporting such as collecting regular advertising impression data, periodic processing of the incentive plans and continued updating of advertising campaigns and incentive programs.

It is in the interest of subscribers and advertisers jointly to use the system. For advertisers, click-throughs promote targeted brand awareness which generate demand for products. For subscribers, click-throughs promote incentive payments. Also, there is a recognition of the value of social media networking in relation to raising brand recognition through targeted testimonials related to advertisements.

DEFINITIONS

"Advertisement": a text, picture, video or audio media

"Advertiser": an entity providing an advertisement.

"Advertising Campaign": a collection of related advertisements and incentives.

"Advertising Endorsement System": a system for providing advertisements and endorsements between communication devices.

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"Computer-readable Medium": any apparatus that can contain, store, communicate, propagate, and transport a computer program for use in connection with the advertising

"Destination Communication Device": a computer, cell 5 phone, smart phone or other device capable of receiving a communication message.

"Endorsement": an event of sending an endorsement tag to a recipient.

"Endorsement Tag": an active link including a unique identifier to allow viewing of advertisements and track an advertisement, source communication device and event identifica-

"Endorsement Identifier": a unique identification or code 15 composed of a combination of a source communication device identifier and advertising campaign identification.

"Endorser": a subscriber who has selected an advertiser to endorse.

"Incentive": a reward provided to a subscriber based on an 20 endorsement.

"Incentive Program": a set of rules governing an incentive distribution.

"Intermediary": one or more computer servers and memory executing computer applications and communica- 25 tions to implement the advertising endorsement system.

"Qualified Subscriber": a person who meets the demographic criteria of an advertiser.

"Recipient": a person in possession of a destination communication device.

"Source Communication Device": a computer, cell phone, smart phone or other device capable of sending a communication message and an endorsement tag.

"Subscriber": a person in possession of a source communication device, who has created a profile on the intermediary 35 system.

"Testimonial": a text message, picture, audio or video message associated with an advertisement.

It should be understood that the terms advertisement, advertiser, advertising campaign, destination communication 40 device, endorsement, endorsement tag, endorser, incentive, incentive program, intermediary, qualified subscriber, recipient, source communication device, subscriber, and testimonial, while referred to in the singular shall mean their plural forms as well.

BRIEF DESCRIPTION OF THE DRAWINGS

The following disclosure is understood best in association with the accompanying figures. Like components share like 50 numbers.

FIG. 1 is a diagram of exemplary components of an advertising endorsement system.

FIG. 2 is a block diagram of exemplary components of the

FIG. 3 a flowchart of an embodiment of the advertiser enrollment process.

FIG. 4 is a flowchart of an embodiment of a subscriber sign-up process.

FIG. 5A is a flowchart of an embodiment of a manual 60 subscriber enrollment process.

FIG. 5B is a flowchart of an alternate embodiment of an automatic subscriber enrollment process.

FIG. 5C is a flowchart of an embodiment including an automatic multi-tier subscriber enrollment process.

FIG. 6 is a flowchart showing an advertisement distribution process.

FIG. 7 is a flowchart showing a testimonial distribution

FIG. 8 is a flowchart showing a method of creating dynamic advertisements.

FIG. 9 describes a method for the creation of a unique identifier.

FIG. 10 is a flowchart showing an incentive administration process.

DETAILED DESCRIPTION

FIG. 1 is a diagram of exemplary components of an advertising endorsement system for providing direct advertising between communication devices and to provide testimonials in relation to advertisements. Subscriber 1, in possession of a source communication device 2, subscribes to an advertisement incentive program managed by an intermediary 9 to distribute advertisements from advertiser 10 to destination communication device 7 in possession of recipient 8.

Intermediary 9 includes a server 12, running a group of application programs and communicating with memory 15.

Source communication device 2 is in communication with destination communication device 7 via network 6. Examples of network 6 may be the Internet, a private network, a cellular phone network, or other service provider networks. The source communication device and the destination communication device preferably support digital communications and sharing and recording of electronic files such as audio, pictures, text and video. Preferred communication devices include cellular phones, smart phones, personal computers, personal digital assistants and instant messaging devices.

Operating systems running on source communication device 2 and destination communication device 7 coordinate and provide control of various components. Object-oriented software systems are preferred. The software systems run in conjunction with the operating system and provide calls to the operating system programs or applications executing on the source communication device 2 and destination communication device 7.

Source communication device 2 communicates with destination communication device 7 using a communications protocol. Examples of the communication protocol include Transmission Control Protocol/Internet Protocol (TCP/IP); Global System for Mobile Communications (GSM) including Short Messaging Service (SMS), multimedia messaging service (MMS), Code Division Multiple Access (CDMA), Wireless Application Protocol (WAP), 3G and 4G communication services including SMS and MMS protocols.

Advertiser 10 includes a communication device capable of communicating with intermediary 9 over network 6. Examples include servers and personal computers connected to the network.

In use, the system is activated by the advertiser initiating an advertising program. To initiate an advertising program, the advertiser is required to complete a setup process, provide a set of demographic criteria and build and upload advertisements to memory 15. Application functions are configured to operate on server 12 to accomplish the setup, build and upload

Subscriber 1 must sign up and enroll on the intermediary. To sign up, subscribers are required to complete a set-up process, including submission of a demographic profile to the intermediary.

The intermediary compares each demographic profile to the demographic criteria of the advertisers to determine whether or not the subscriber is qualified. Based on the sub-

scriber qualifications, a set of endorsement opportunities from various advertisers is communicated to a subscriber by the intermediary.

Subscriber 1 elects to endorse an advertisement, advertiser or advertising campaign. Endorsement manager software 14 is loaded on source communication device 2. The endorsement manager software, in concert with functions resident on server 12 facilitate completion of the setup process, endorsement process and transmission of advertisements and testimonials to the destination communication device.

When a communication is transmitted between source communication device 2 and destination communication device 7, an endorsement tag is transmitted to destination communication device 7. The endorsement tag includes a URL link with an embedded code that identifies the source 15 communication device, the advertisement or advertising campaign and an impression identification. When the endorsement tag is activated by the destination communication device, the endorsement tag is decoded by the intermediary and used to locate the requested advertisement. The 20 associated advertisement is downloaded to the destination communication device from the intermediary. The advertisement associated with the endorsement tag may be said to be "endorsed" by subscriber 1.

Subscriber 1 may then elect to provide a "testimonial." To 25 do so, Subscriber 1 preferably uses the source communication device to record a testimonial to be associated with an advertiser, advertisement or advertising program. The testimonial is then uploaded to the intermediary where it is associated with the advertisement, advertising campaign or advertiser, 30 and stored at the intermediary.

After a communication between the source communication device and the destination communication device, a link is transmitted by the intermediary to the destination commulink is activated by the destination communication device, the intermediary transmits the testimonial to the destination communication device.

Referring then to FIG. 2, intermediary 9 includes application functions 102, database 103 and website portal 104.

Application functions 102 include numerous constituent programs and objects which cooperate to carry out the functions of intermediary 9. In the preferred embodiment, the application functions comprise software written in object oriented languages. These include system administration 45 121, advertiser enrollment 105, subscriber enrollment 106, communications manager 107, campaign builder 108, testimonial manager 109, performance manager 110, incentive manager 111, analytics manager 112 and dynamic content manager 122.

System administration 121 provides for administration and maintenance of the various objects, including database management and management of website portal 104. Creation, deletion and editing of files and profiles is provided. Functions for screening of testimonials and demographic criteria 55 are also provided.

Advertiser enrollment 105 coordinates and records the interaction between advertiser 10 and intermediary 9, as will be further described.

Subscriber enrollment 106 controls and records the inter- 60 action between the subscribers and the intermediary, as will be further described.

Communications manager 107 coordinates the functions between the endorsement manager software resident on the source communication device and the intermediary.

Campaign builder 108 is responsible for creating, coordinating and organizing campaigns and associated advertise6

ments which are transmitted to the destination communication device. In the preferred embodiment, campaign builder 108 includes a set of design criteria including dimensions, preferred fonts, colors, and other graphics tools which are supplied to the advertiser via website portal. In an alternate embodiment, campaign builder 108 provides predetermined advertisement formats suitable for inclusion of custom text paragraphs to speed advertisement development. Once an advertisement is built, it is uploaded for storage in database 103. Campaign builder 108 also provides for grouping of advertisements into "campaigns." Each campaign may include attributes of timelines for deployment of each advertisement, incentive programs and demographic and psychographic criteria for qualified subscribers.

Testimonial manager 109 provides the management functions for the organizing and storage of testimonials provided by subscribers and recipients. In a preferred embodiment, testimonial manager 109 provides "housekeeping" functions for the receipt, organization and storage of testimonials received by subscribers and recipients. The testimonial manager receives individual testimonial files, according to their type, audio, video, text or picture. The files may be edited by the intermediary through system administration 121. The testimonial manager provides the functions of editing the testimonial files for content, size and graphics by the advertiser, the subscriber or the intermediary. The testimonial manager also provides the function of associating the testimonials with a particular advertisement, advertising campaign or advertiser.

Performance manager 110 provides the function of receiving and storing history log files from source communication devices by way of communication manager 107.

Incentive manager 111 coordinates the functions of tracknication device that points to a list of testimonials. When the 35 ing subscriber incentives and incentive payouts. In a preferred embodiment, the Incentive manager also provides the functions of communication with financial institutions to receive payments from advertisers. Incentive manager 111, in a preferred embodiment, is also responsible for the functions of processing distributions to subscribers as incentives, and for tracking all accounting functions of the system. In practice, the incentive manager pays incentives to subscribers and corresponding advertising incentive program accounts are debited until depletion, at which time the incentive programs are discontinued for a particular campaign.

> Analytics manager 112 is responsible for providing the functions of report generation utilized to analyze and report data related to subscribers, recipients, advertising campaigns, advertisements, endorsements and testimonials. Analytics 50 manager 112, in a preferred embodiment, also provides the functions of statistical analysis and prediction generation based on historical data to determine the effectiveness of an advertisement or advertising campaign. In a preferred embodiment, analytics manager 112 is also responsible for statistical analysis of the demographics of purchasing patterns related to demographics, geographic location, and time of day or date during the year.

Database 103, in a preferred embodiment, is preferably comprised of a relational database written in a structured query language. The database allows interrogation for information retrieval and report generation, as well as mainte-

Database 103, in the preferred embodiment, includes subscriber data 113, advertiser data 114, history data 116, testi-65 monial data 117 and accounting data 118.

Subscriber data 100 includes demographic information, psychographic data, identification information and login

information for each subscriber. Subscriber data 100 also includes endorsement preferences and incentive preferences for each subscriber.

Advertiser data 114 includes advertiser identification and log-on information. Advertiser data 114 also includes chosen 5 demographic criteria for subscribers supplied by each advertiser. Advertiser data 114 includes advertising campaign data. Advertising data 114 further includes distribution preferences for timing and geographic location of each advertisement in the advertising campaign.

Advertiser data 114 further includes identification of incentive programs. Incentive programs include rules for incentive distribution to subscribers. Incentive programs are defined per advertisement or per advertisement campaign. Incentive program rules further include initiation and termi- 15 nation dates for each advertisement and advertisement campaign.

Advertiser data 114 further includes a maximum financial budget for each incentive, advertisement and advertisement campaign. Advertiser data 114 further includes matching data 20 for subscribers.

History data 116 includes a compilation of data for each advertisement and advertising campaign, including the number of advertisements sent, the subscriber who sent them, the recipient of the advertisement, the number, location and iden- 25 tification of all click-through events.

Testimonial data 117 includes text, graphics, audio and video files recorded as testimonials stored and associated with a related advertisement and advertising campaign in the datahase

Accounting data 118 includes account information for advertisers, historical information reflecting incentives paid to subscribers, and tracking information for singular and multi-tiered distribution of funds.

tion of page data 119 and log files 120.

Page data 119 includes pages stored in memory capable of various communication functions required by the system. Page data 119 includes pages for subscriber addition, deletion and profile creation and maintenance. Similarly, page data 40 119 includes pages for the creation and maintenance of advertiser profiles, advertisements, advertisement campaigns and incentives through campaign builder 108, incentive manager 111 and analytics manager 112. Pages are also provided for addition and deletion of testimonials in coordination with 45 testimonial manager 109.

Log files 120 include metrics of page usage and maintenance. For maintenance of the intermediary website in coordination with system administration 121.

Referring now to FIGS. 2 and 3, the advertiser enrollment 50 process will be described. At step 22, advertiser 10 connects to intermediary 9 via the website portal. Login information is supplied and a request is made to access application functions 102 through a secure communications session. At step 24, the intermediary authenticates the advertiser login information. 55 At step 25, application functions of advertiser enrollment 105 are activated and coordinate functions of the advertiser

The advertisements for the advertising campaign must be "built" and the attributes of the advertising campaign defined. 60 At step 28, a request is made for access to the campaign builder function 108 of application functions 102. At step 29, the intermediary enables a campaign builder dashboard. At step 30, the intermediary grants access to the campaign builder function to advertiser 10. At step 31, forms related to 65 creation of an advertising campaign the specific type of advertisement are completed by advertiser 10.

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At step 32, demographic criteria for qualification of subscribers is submitted.

In step 33, advertisement attributes are defined and include the scheduling timeline for distribution of the advertisements in the advertising campaign and a limit for the incentive pay

At step 34, an incentive program is defined. The incentive program may pay cash incentives, incentivize communication fees, offer product discounts, generate "rewards points" 10 or provide product or service credit. The preferred embodiment of an incentive program utilizes a programmable electronic debit card to which credits are periodically uploaded. Incentive program selections may be made according to predefined incentive program types displayed and captured by a web form. The incentive program further requires specifying the incentive pay out. For cash and cash-like incentives (e.g. discounts or coupons) the preferred incentive program specifies an incentive amount for each recorded impression, an incentive amount for each recorded click-through, and an incentive amount for each product sale resulting from a specified transaction.

At step 35, an option "auto matching" is provided. "Auto matching" is provided in three forms. First, "auto matching" may be enabled for all advertising campaigns of an advertiser. If so, each subscriber who becomes "qualified" is enabled to "endorse" every advertisement and every advertising campaign for the advertiser specified. Second, "auto matching" may be enabled for advertising campaign. If so, each qualified subscriber is enabled to "endorse" each advertisement in the specified advertising campaign. Third, "auto matching" may be enabled for a specific advertisement. If so, each qualified subscriber is automatically qualified to endorse a specific advertisement for a specific advertising campaign.

At step 36, the advertiser selects a correlation value. The Website portal 104 includes the functions related to opera- 35 correlation value is a numerical measure of how closely the demographic criteria of the advertiser must match the demographic profile of the subscriber.

Also at step 46, graphics files are generated including custom graphics required for the advertisement by advertiser 10 to complete each advertisement.

At step 47, the completed form and graphics files and the demographic criteria, auto matching choice, advertising campaign attributes and incentive programs are uploaded to the intermediary. At step 48, intermediary 9 stores the uploaded data and assembles and stores the advertisement associated with advertiser 10 in the database in advertiser data 114. At step 49, the advertisement is assigned a unique identification number by the intermediary and is stored in the database under advertising data 114.

At step 50, the intermediary determines the price of the advertising campaign. At step 51, the intermediary transmits the price and funding requirements to the advertiser. In the preferred embodiment, the financing requirements include execution of a written agreement and prepayment of money to fund the incentive programs according to the requested advertising budget.

At step 52, the advertiser funds the advertising campaign and executes the advertisement agreement. At step 53, the advertiser transmits funding to the intermediary and requests execution of the advertising campaign. Funding preferably includes transmission of a cash amount to the intermediary via wire transfer. At step 54, the intermediary records receipt of the funding and creates a record in the database in accounting data 118 by incentive manager 111. At step 55, the intermediary implements each advertising campaign.

Referring to FIGS. 2 and 4, the subscriber sign-up process will be described. In step 56, source communication device 2

connects to the Intermediary 9 through website portal 104. In step 57, a request for information is sent via a form to the source communication device from the intermediary. The form requests basic information such as communication device user's name, communication device type, and a communication device identification number such as a phone number or IP address. At step 58, the source communication device responds by transmitting the completed form including a requested username and password. At step 59, the intermediary authenticates the source communication device and 10 starts subscriber enrollment functions 106. Authentication may include cross-checking the phone number or the device identification and the profile information of the user with publicly available data sources. At step 60, the intermediary sends a text message to the source communication device 15 confirming setup. At step 61, the source communication establishes a secure communication session with the intermediary using the website portal.

In step 67, a determination is made by the intermediary as to whether the source communication device has the technical 20 capability to participate. At step 68, the intermediary then checks the source communication device for an endorsement manager program by attempting to communicate with it. At step 69, if the endorsement manager is present, a return acknowledgment message is generated. At step 70, the 25 acknowledgment message is sent to the intermediary. At step 71, if the endorsement manager program is not present, then it is retrieved by the source communication device. At step 72, the endorsement manager program is installed and is activated and an acknowledgment message is generated. At step 30 73, the acknowledgment is returned to the intermediary. At step 74, application functions of the communications manager are activated.

In step 75, a subscriber profile form is completed. The subscriber profile includes subscriber demographic informa- 35 tion. Subscriber demographic information includes gender, age, zip code, and may include other information such as ethnicity, income level, property ownership and education. The subscriber profile also may include user's hobbies, interests, affiliations and other psychographic information. At step 40 76, the subscriber profile is sent to the intermediary. At step 77, the Intermediary receives and stores the profile data in subscriber data 100 in the database. At step 81, the endorsement manager program enables a local endorsement dashboard. At step 82, the endorsement manager program requests 45 transmission of endorsement opportunities. At step 83, the intermediary retrieves the requested endorsement opportunities. At step 84, the endorsement opportunities are sent from the intermediary to the source communication device. At step 85, the endorsement opportunities are displayed.

FIG. 5A shows a preferred manual subscriber enrollment process. Referring then to FIGS. 2 and 5A, at step 157, the source communication device connects to the intermediary web portal and transmits login data. At step 158, the login data is authenticated and functions of subscriber enrollment 106 55 are started. At step 159, an acknowledgment is transmitted. In step 160, the source communication device sends a request to endorse. At step 161, the intermediary responds to the request by performing a matching process to qualify subscribers for endorsement opportunities.

The matching process correlates the demographic profile data from the subscriber with the demographic criteria of the advertiser. A correlation value is assigned by the intermediary. In the preferred embodiment, the correlation value is calculated by comparing each element of the demographic 65 criteria to each element of the demographic profile to arrive at a correlation value.

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At step 162, the intermediary returns a list of endorsement opportunities for which the subscriber is "qualified." Each endorsement opportunity includes a description of the advertiser, advertising campaign, advertisement and incentive program including incentive values offered.

In an alternate embodiment, step 162 includes the steps of the intermediary providing a list of non-participating advertisers to the subscriber or the ability to suggest an unlisted advertiser.

The endorsement opportunities are displayed at step 163. In step 164, the subscriber selects a subset of the endorsement opportunities for enrollment. The subset selection is transmitted to the intermediary at step 165. At step 166, intermediary stores the selected subset in the database in subscriber data 113. At step 167, the intermediary creates a set of endorsement identifiers for each of the endorsement opportunities of the selected subset. The endorsement identifiers include embedded URLs and endorsement identifiers to serialize each specific endorsement tag with a unique code.

Referring to FIG. 9, endorsement identifier 920 is created by calculating a hash code between source communication device identification 900 and an advertising campaign identification 905. An example is shown below:

http://bca2.com/ad.aspx?d=12V7NS8MPTXGTFL

The source communication device identification is preferably the device serial number or the phone number.

Returning to FIG. 5A, at step 168, the endorsement identifier is sent to the source communication device. At step 169, the endorsement identifier is stored on source communication device by the endorsement manager program. In step 170, the endorsement manager program periodically triggers a refresh for endorsement identifiers from the intermediary. At step 171, updated endorsement identifiers are requested. At step 172, the intermediary automatically updates the endorsement identifiers incorporating current versions of campaign or advertisement identifications. At step 173, updated endorsement identifiers are transmitted. At step 174, the updated endorsement identities are stored on the source communication device by the endorsement manager program.

Once endorsement identifiers are stored on the source communication device, the "subscriber" becomes an "endorser" capable of participating in distribution of advertisements and incentive programs. A "bi-directional selection" has occurred between the subscriber and the advertiser where each has "chosen" the other and has agreed to participate in distribution of advertisements.

FIG. 5B is a flowchart of an alternate embodiment showing an automatic subscriber enrollment process. Referring then to FIGS. 2 and 5B, in step 212, the source communication 50 device initiates a communication to the destination communication device. In step 213, the endorsement tag is sent from the source communication device to the destination communication device in connection with the communication. In step 214, the destination communication device opens the endorsement tag. The endorsement tag is clicked, thereby activating the link incorporated in the endorsement tag. In step 215, a request for an advertisement to the intermediary is sent.

In step 217, the intermediary generates the advertisement. 60 Included in the advertisement is a sign-up link for "automatic" sign-up. In step 218, the advertisement is sent to the destination communication device. The advertisement is displayed at step 219. The destination communication device activates the automatic sign-up link in step 220. A sign-up request is sent to the intermediary at step 221. At step 223, the Intermediary starts the functions of subscriber enrollment 106. At step 224, intermediary 201 acknowledges the sign-up

request by sending an acknowledgement message. The acknowledgement message contains a link to download the endorsement manager. At step 225, the destination communication device requests a secure communication session using the web portal. A secure communication session is 5 established at step 226.

In step 227, authentication occurs and the destination communication device is automatically enrolled in the advertising campaign associated with the advertisement that was displayed. At step 228, a unique endorsement identifier is generated for the destination communication device as a new qualified subscriber. In step 232, the endorsement manager program along with the endorsement identifier: is sent to the destination communication device. At step 234, the endorsement manager program is installed and activated. At step 235, 15 the endorsement identifier is stored by the endorsement manager program.

FIG. 5C shows an alternate embodiment of an automatic multi-tier subscriber enrollment process. As destination communication devices 610, 611 and 612 are automatically 20 enrolled, they automatically inherit the status of qualified subscriber attributed to the source communication device for advertising campaign 605 associated with the advertisement viewed. The advertising campaign includes original incentive program 606. Destination communication devices 610, 611 25 and 612 comprise first tier 601 of destination communication devices. Similarly, when destination communication devices 620, 621 and 622 are automatically enrolled, they also automatically inherit the status as a qualified subscriber for advertising campaign 605 and original incentive program 606 cre- 30 ating second tier 602 of destination communication devices. Additional tiers of destination devices are created as they receive communications from first tier communication devices 601 and second tier destination communication devices 602. Each additional tier of destination communica- 35 tion devices inherits the status as a qualified subscriber for advertising campaign 605 and original incentive program 606. The intermediary generates endorsement identifiers for each new destination communication device in each new tier of destination communication devices. The endorsement 40 identifiers each contain the source communication device identification. The source communication device identification is used to track incentives paid to the source communication device from endorsement transactions performed by the first tier, second tier and additional tiers of destination 45 communication devices.

FIG. 6 shows a flowchart of the advertisement distribution process of the system. Referring then to FIGS. 2 and 6, at step 259, the endorsement manager program generates a unique identifier.

Referring to FIG. 9, impression identification 910 is hashed with endorsement identifier 920 to create unique identifier 940. In the preferred embodiment, the endorsement manager program generates a number based on elapsed time from a predefined event in the past, such as the date that 55 endorsement manager software was installed, on the subscriber communication device. An example is shown below: http://bca2.com/

ad.aspx?d=12V7NS8MPTXGTFL&i=8efvy

In alternate embodiments, other information may be combined to create unique identifier 940, such as date and time information, geographic location information and device settings of the source communication device.

Returning to FIG. 6, at step 260, the endorsement manager program sends the endorsement tag containing the unique 65 identifier to the destination communication device. At step 261, the endorsement manager software records the transmis-

sion of the endorsement tag as an event in a history log. In step 262, the endorsement tag is opened on the destination communication device. At step 264, a request for an advertisement is sent from the destination communication device by activating the URL link embedded in the endorsement tag. At step 265, the intermediary generates and formats an adver-

sement.

In a preferred embodiment, the step of generating an advertisement includes the dynamic content manager 122 of intermediary 9 decoding the hashed unique identifier in the endorsement tag and decoding advertisement identification 905. The dynamic content manager then fetches the appropriate advertisement graphics called for by the advertisement identification from the database and formats it to match the device type of destination communication device.

FIG. 8 is a flowchart showing the detail of an alternate embodiment of dynamic advertisement generation. In step 366, the intermediary parses the web browser session header for the destination communication device OS; time/date stamp, IP address and browser type. In step 368, the intermediary determines if geographical location information is requested by the configuration of the advertisement. If requested, then the intermediary sends a request for GPS coordinates to the destination communication device in step 372. In step 374, authorization to release the GPS coordinates is provided by the destination communication device. At step 375, the GPS coordinates are sent to the intermediary. In step 370, the intermediary locates and retrieves an advertisement related to the GPS coordinates using the dynamic content manager.

In an alternate embodiment, the intermediary determines the geographical location of the destination communication device by determining which cellular tower is carrying the signal from the destination communication device.

In step 377, the dynamic content manager of the intermediary determines if the advertisement requires supporting data from outside data sources is required by the advertisement. If so, at step 378, the intermediary requests the supporting data from outside data source 355. At step 380, outside data source 355 configures the supporting data according to parameters included in the request. At step 382, the intermediary retrieves the supporting data from the outside data source.

At step 384, the intermediary configures the advertisement according to data from the parsed header, geographical location and outside data source.

In an alternate embodiment, generation of the advertisement is altered according to a random selection process. The intermediary randomly chooses an advertisement from a predetermined set of advertisements stored in the database of advertiser data 114.

In an alternate embodiment, the intermediary selects which advertisement to send based on the date, time, season of the year, holiday dates, dates of special events or weather related data from outside data source 355. Weather data may be used in association with geographic location data to determine the weather at the geographic location of the destination communication device.

In yet another embodiment, the intermediary selects the advertisement based on previous responses by the destination communication device. Previous responses are drawn from history data 116.

Returning to FIG. 6, at step 266, the advertisement is transmitted to the destination communication device. At step 267, the destination communication device opens and views the advertisement. At step 268, the intermediary records the endorsement click-through event in the history data in asso-

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ciation with the subscriber identified in the unique identifier contained in the endorsement tag and when available the GPS coordinates of the destination communication device.

At step 269, the destination communication device activates an embedded link in the advertisement. At step 270, a 5 message is sent to the Intermediary requesting information. At step 271, the intermediary records the request for information and logs the event against the source communication device identifier in a history file. At step 272, the information is provided to the destination communication device. At step 273, the information is viewed.

At step 283, the endorsement manager program periodically triggers an upload of the history log file to the intermediary to be tracked for incentive distribution. In step 284, the history log is uploaded. At step 285, the history log is stored according to the source communication device identification. In step 286, intermediary 9 compiles and tracks incentives.

FIG. 7 is a flowchart showing a method of creating and adding testimonials to communications between the source 20 communication device and the destination communication device. Referring then to FIGS. 2 and 7, at step 310, source communication device 2 interacts with the endorsement manager program to create a testimonial. In the preferred embodiment, the testimonial is a short video file, static picture, text or 25 audio created by and stored on the source communication

In an alternate embodiment, the testimonial is a file created on a separate machine and is uploaded to the intermediary. The testimonial file may also contain an active link stored on 30 a separate machine.

The endorsement manager program "associates" the testimonial with an advertisement by appending the endorsement tag related to a participating advertising campaign or advertisement to the testimonial file. In step 314, the source com- 35 cation device, a first destination communication device and munication device uploads the endorsement tag and the testimonial file to the intermediary. At step 315, testimonial manager 109 functions are started and the testimonial is stored by the intermediary and associated with the advertising campaign or advertisement and the subscriber in the database. 40 In step 316, an actionable link is enabled to allow, viewing of the associated testimonial within the advertisement. At step 317, the testimonial is made available for viewing and editing via the website portal.

At step 322, the source communication device transmits 45 the endorsement tag to the destination communication device. In step 323, the destination communication device opens the endorsement tag. In step 324, a message is sent to the intermediary requesting the advertisement. In step 325, the intermediary records an endorsement click-through event, 50 and uses the dynamic content manager to configure the advertisement for display. In configuring the advertisement for display, an actionable link to the testimonial is included. At step 326, the advertisement is sent to the destination communication device. In step 330, the advertisement is displayed. 55

In an alternate embodiment, the actionable link may display a list of testimonials associated with the advertisement.

At step 331, the destination communication device selects the link to the testimonial. At step 332, a request is sent to the intermediary for the testimonial. At step 333, the dynamic 60 content manager of the intermediary retrieves the testimonial and configures it for transmission. In step 334, the testimonial is sent to the destination communication device. In step 335, the testimonial is displayed.

At step 340, the destination communication device records 65 a "responsive" testimonial. At step 341, the responsive testimonial is uploaded to the intermediary. At step 344, the inter14

mediary associates the responsive testimonial with the advertising campaign or advertisement and stores it in memory.

FIG. 10 shows incentive administration process. Referring then to FIGS. 2 and 10, in step 767, the intermediary monitors active incentive programs through the functions of incentive manager 111, and if it detects a change in an attribute of an incentive program is scheduled to occur, then at step 768, a message may be sent to the source communication device regarding the change. Examples of changes in attributes include closure of an incentive program or an advertising campaign or temporary special events like a coupon offer.

At step 770, performance data derived from the history log file is analyzed to arrive at an accounting of incentives and fees. At step 775, a report summarizing the incentives and fees due is made available to the advertiser through the website site portal 104. At step 776, the fees due are accessed via the web portal. At step 777, a report is made available to the source communication device regarding incentives through website portal 104. At step 778, the report is accessed via the web portal. At step 785, the intermediary authorizes payment of incentives. In a step 790, payment is made. In the preferred embodiment an electronic cash card is created and sent to the subscriber by mail. In step 795, the financial accounts of the advertisers are appropriately debited by the incentive manager of the intermediary and stored in accounting data 118.

Although various embodiments have been described in detail, those skilled in the art will understand that changes, substitutions and alterations can be made without departing from the spirit and scope of what has been described. Accordingly, all such changes, substitutions and alterations are intended to be included as defined in the following claims.

The invention claimed is:

1. In a system comprising a network, a source communian intermediary connected to the network, a method for providing advertising content to a first recipient associated with the first destination communication device and for incentivizing a subscriber associated with the source communication device comprising:

receiving a first profile, at the intermediary, including a set of demographic requirements related to at least one advertiser of a group of advertisers;

receiving a second profile, at the intermediary, including a set of demographic data related to the subscriber,

deriving a match condition, by the intermediary, between the first profile and the second profile;

determining, at the intermediary, if the subscriber is a first qualified subscriber based on the match condition;

conditioning, at the intermediary, a set of endorsement opportunities on the match condition;

transmitting a incentive program to the first qualified subscriber, at the source communication device, for each endorsement opportunity of the set of endorsement opportunities;

communicating the set of endorsement opportunities to the qualified subscriber at the source communication

receiving, at the intermediary, a selection of at least one endorsement opportunity from the set of endorsement opportunities from the qualified subscriber;

transmitting, from the intermediary, a first endorsement tag related to the at least one advertiser of the group of advertisers and linked with the advertising content;

transmitting a first content communication between the first source communication device and the first destination communication device;

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- transmitting the first endorsement tag from the source communication device to the destination communication device;
- receiving, at the intermediary, a signal from the destination communication device, through execution of the first 5 endorsement tag, to transmit the advertising content;
- transmitting the advertising content to the destination communication device; and,
- incentivizing the first qualified subscriber according to the incentive program.
- The method of claim 1 further comprising the steps of: creating, at the source communication device, a first testimonial linked to a first testimonial tag;
- associating, at the source communication device, the first testimonial with the advertising content;
- transmitting the first testimonial tag to the first destination communication device;
- receiving, at the intermediary, a request from the first destination communication device, through execution of 20 the first testimonial tag, to transmit the first testimonial; and
- transmitting the first testimonial to the first destination communication device.
- 3. The method of claim 2 wherein the system further 25 includes a second recipient associated with a second destination communication device connected to the network and further comprising the steps of:
- receiving a second testimonial, having a second testimonial tag, from the second recipient; and
- associating the second testimonial with the advertising content.
- 4. The method of claim 1 further comprising the steps of: creating the endorsement tag by combining:
- a first identifier associated with the source communication 35 device;
- a second identifier associated with the advertising content; and
- a third identifier associated with the first content commu-
- 5. The method of claim 1 wherein the step of transmitting the advertising content includes the further steps:
 - decoding the endorsement tag, at the intermediary, into the first identifier, the second identifier and the third identifier.
 - choosing the advertising content, at the intermediary, based on the second identifier; and,
 - the step of incentivizing includes the further step of:
 - incentivizing the first qualified subscriber, at the source communication device, based on one or more of the 50 group of, the first identifier, the second identifier and the third identifier.
- 6. The method of claim 1 wherein the system further comprises a second recipient associated with a second destination communication device connected to the network, and the 55 advertising content including a sign-up tag and the method further comprising the steps of:
 - transmitting a second content communication between the source communication device and the second destination communication device;
 - transmitting the endorsement tag from the source communication device to the second destination communication device;
 - transmitting the advertising content to the second destination communication device;
 - receiving a signal from the second destination communication device, through the execution of the sign-up tag,

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- indicating a desire by the second recipient to become a second qualified subscriber;
- altering a status of the second recipient to become the second qualified subscriber; and,
- attributing selection of the at least one endorsement opportunity from the set of endorsement opportunities to the second qualified subscriber.
- 7. The method of claim 6 wherein the system further comprises a third recipient associated with a third communication device, connected to the network, the method comprising the additional steps of:
 - providing a second endorsement tag, from the intermediary, related to the at least one advertiser of the group of advertisers and linked with the advertising content;
 - transmitting a second content communication between the second destination communication device and the third destination communication device;
 - transmitting the second endorsement tag from the second destination communication device to the third destination communication device;
 - incentivizing the second qualified subscriber, at the second source communication device, according to the incentive program; and
 - incentivizing the first qualified subscriber, at the first source communication device, according to the incentive program.
- 8. The method of claim 7 wherein the step of providing an incentive program comprises the additional step of:
- dividing a payment, by the intermediary, between the first qualified subscriber and the second qualified subscriber.
- 9. The method of claim 1 wherein the advertising content is created by the steps of:
 - providing, at the intermediary, a base content associated with the at least one advertiser;
 - modifying the base content, at the intermediary, by addition of a set of data related to one of the group of weather data, geographic data, time data, date data and history data.
- The method of claim 1 further comprising the steps of: transmitting, from the intermediary, an auto-matching election from the advertiser; and,
- relating the subscriber to a pre-qualified subscriber.
- 11. The method of claim 1 wherein the step of transmitting 45 an incentive further comprises the step of:
 - calculating, at the intermediary, a payment dividend between the subscriber and the pre-qualified subscriber.
 - 12. The method of claim 1 further comprising the steps of: creating a testimonial, at the source communication device;
 - associating the testimonial, at the source communication device, with the first endorsement tag;
 - receiving the testimonial and the first endorsement tag at the intermediary;
 - associating the testimonial, at the intermediary, with the advertising content and the subscriber;
 - creating, at the intermediary, a link to the testimonial;
 - transmitting, by the intermediary, the link to the first destination communication device;
 - activating the link at the first destination communication device; and,
 - transmitting, from the intermediary, the testimonial to the first destination communication device.
- 13. The method of claim 12 wherein the step of creating a testimonial further comprises:
 - the testimonial in a form of one of the group of video, audio, text or picture.

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14. The method of claim 1 further comprising the step of: conditioning, by the intermediary, the advertisement on a set of data related to one of the group of weather, a geographic location of the source communication device, a geographic location of the destination device, a 5 time, and a date.

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Exhibit B

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(54) SYSTEM AND METHOD FOR PROVIDING ENDORSED ELECTRONIC OFFERS BETWEEN COMMUNICATION DEVICES

(75) Inventors: Andrew E. Levi, Plano, TX (US);

Bradley W. Bauer, Richardson, TX

Assignee: Blue Calypso, LLC, Dallas, TX (US)

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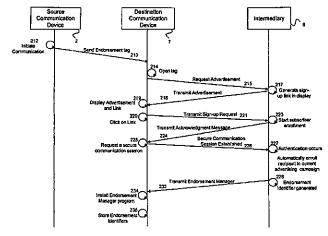
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Primary Examiner - Saba Dagnew (74) Attorney, Agent, or Firm - Schultz & Associates, P.C.

ABSTRACT (57)

A system and method are disclosed for distribution of advertisements and electronic offers between communication devices. The system and method provides for accounting and distribution of incentives related to distribution of the advertisements and offers. A bi-directional selection between subscribers and advertisers using the system is created whereby both advertisers and subscribers agree to participate in the distribution of advertisements and offers. The system further provides for a means of redeeming offers utilizing points of sale and analytics associated to the redemption of electronic offers.

13 Claims, 13 Drawing Sheets



Automatic Subscriber Enrollment Process

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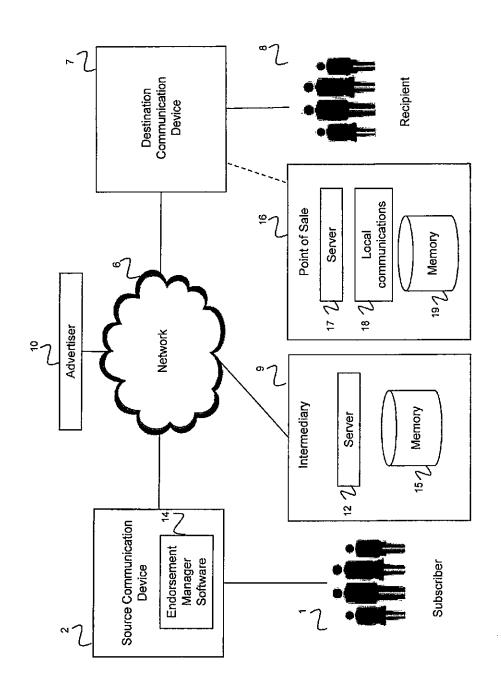
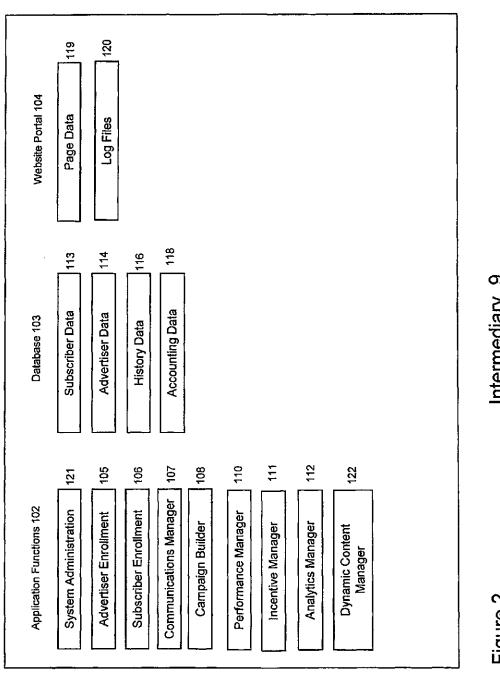


Figure 1

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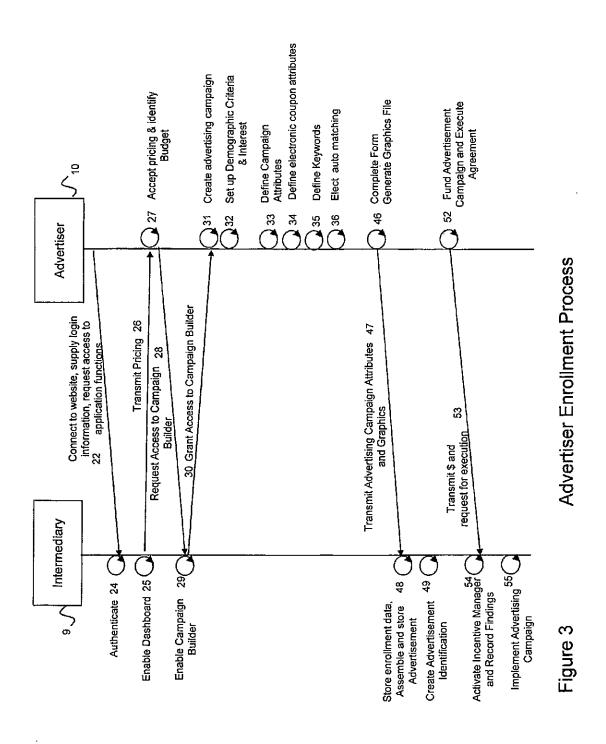
Intermediary 9

Figure 2

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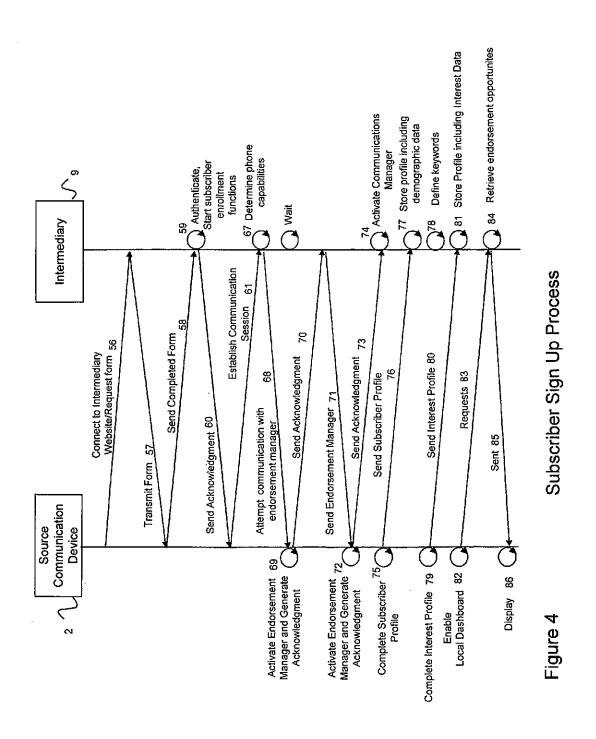
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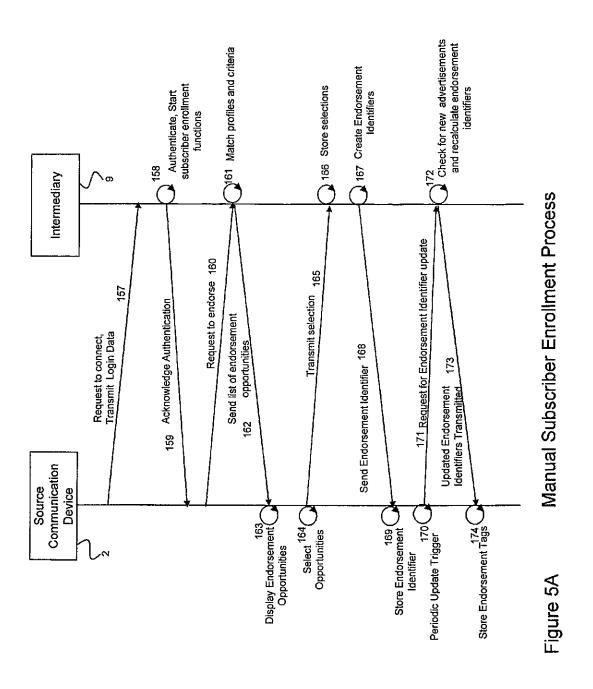
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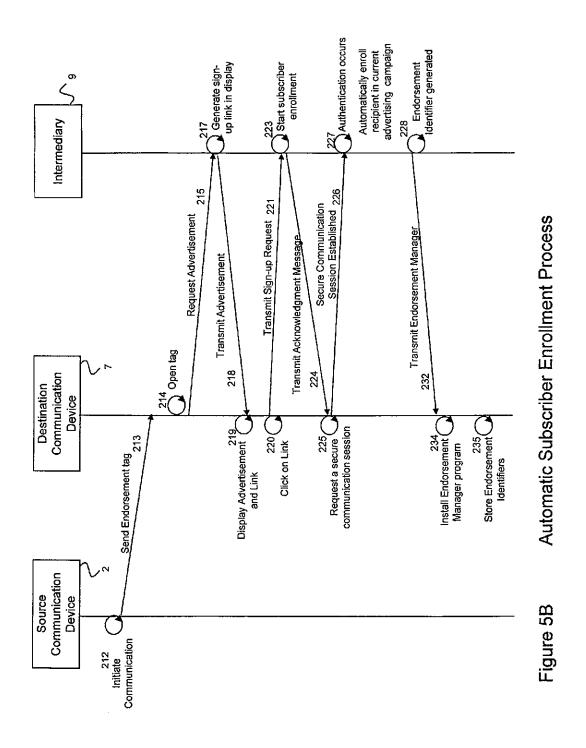
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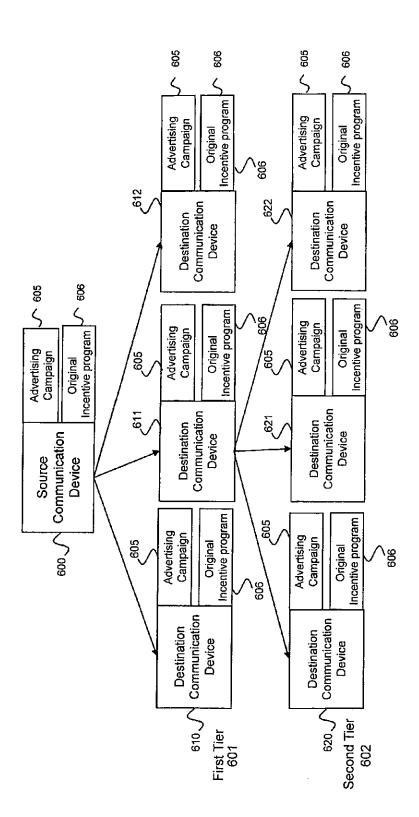


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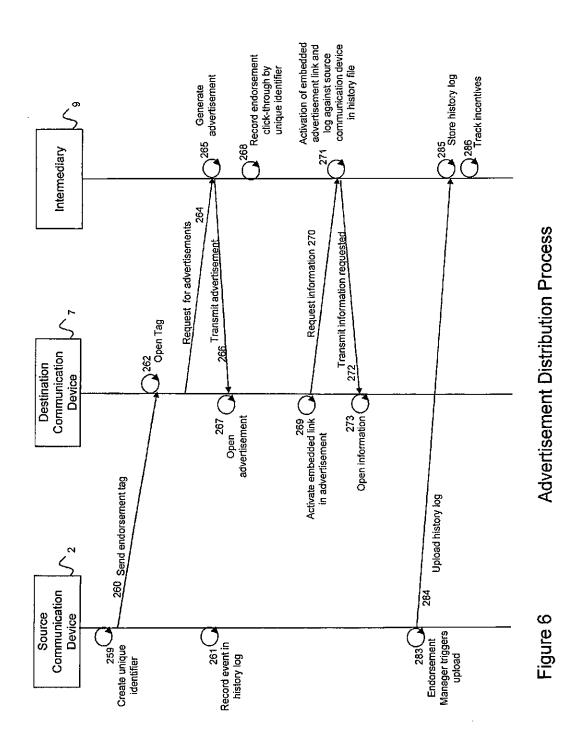
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Automatic Multi-Tier Subscriber Enrollment Process Figure 5C

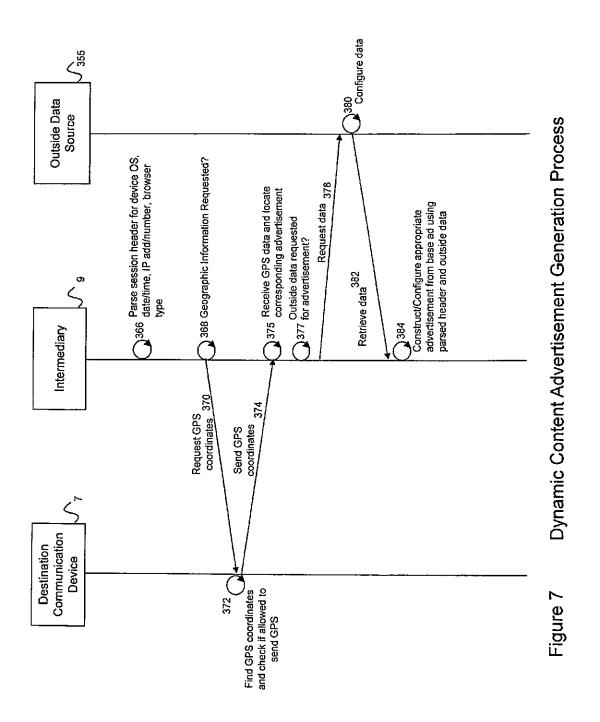
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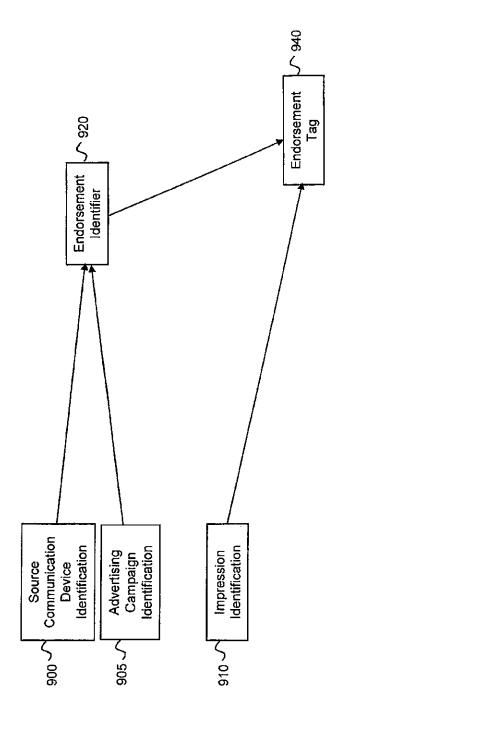


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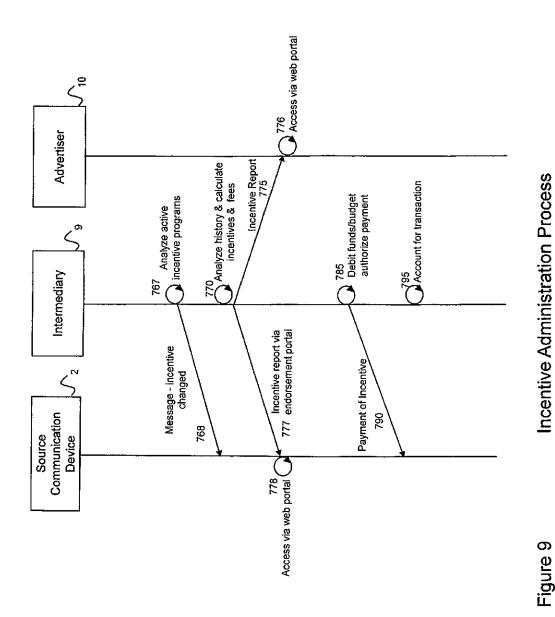


Creation of Unique Identifier

Figure 8

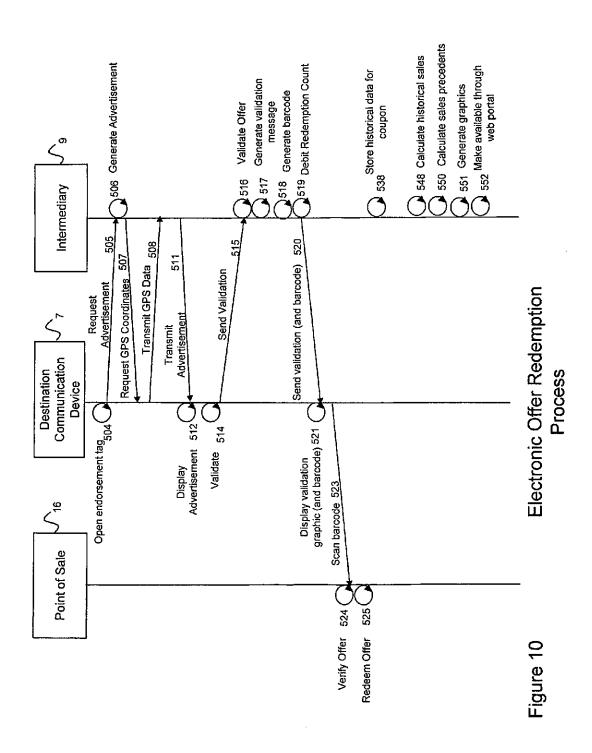
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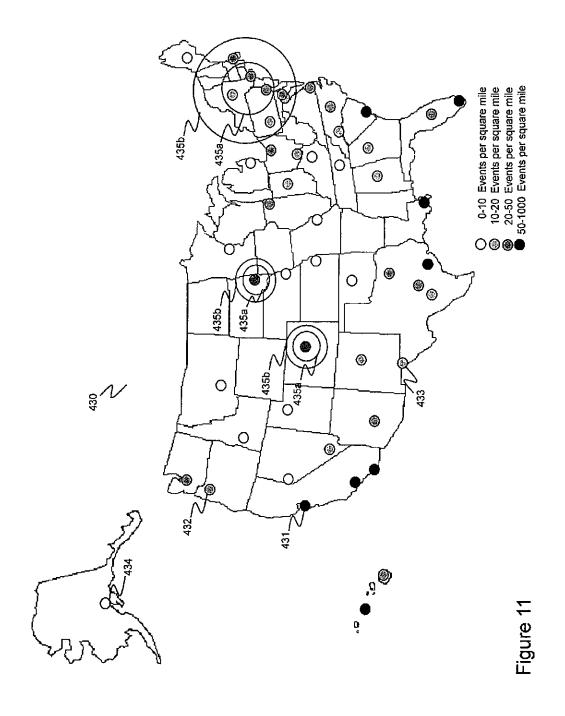


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SYSTEM AND METHOD FOR PROVIDING ENDORSED ELECTRONIC OFFERS BETWEEN COMMUNICATION DEVICES

CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims priority from U.S. Pat. No. 7,664, 516 filed on Dec. 23, 2005, U.S. Provisional Patent Application No. 60/639,267 filed Dec. 27, 2004; U.S. patent application Ser. No. 12/592,019 filed Nov. 18, 2009; and U.S. patent application Ser. No. 12/803,635 filed Jul. 1, 2010. The disclosure in U.S. Pat. No. 7,664,516 and U.S. patent application Ser. Nos. 12/592,019 and 12/803,635 are incorporated herein by reference.

BACKGROUND

It is well known that traditional advertising media such as newspapers, public radio and television has suffered a dramatic decrease in popularity and advertising effectiveness with the advent of the internet and mobile phone technology. Advertisers, therefore, are highly motivated to identify new methods of distributing advertisements in order to create effective brand awareness. As newer technologies such as mobile phones evolve into highly sophisticated two-way communication systems, such technologies can be leveraged to provide trackable advertising impressions and brand awareness by directly displaying advertisements and testimonials to potential customers.

Today, consumers can control which advertisements reach them more effectively than in the past. For example, newer technologies like digital video recorders (DVRs) allow users to skip undesirable advertisements. Similarly satellite radio allows users to listen to music without commercials.

With the declining ability to offer advertisements through traditional broadcast advertising media, this invention provides an advertising system that offers frequent and effective advertising to targeted audiences.

This invention also provides a system in which recipients 40 view personally endorsed advertisements by known contacts to increase the acceptance of the advertisement and to link to personalized testimonials of the advertisement for distribution to the existing personal contacts.

This invention provides the ability to generate, transmit, 45 validate and track usage of electronic offers and award subsidies and value to subscribers and recipients.

Other advantages and aspects of the invention will become apparent upon reading the following disclosure.

SUMMARY

The system disclosed provides for transmission of an endorsement tag between a source communication device and a destination communication device over a network. The 55 endorsement tag includes a serialized URL link that when activated causes an advertisement to be sent from a third party intermediary to the destination communication device over the network. The intermediary functions to, among other things, identify which advertisement to send by virtue of 60 decoding the serialized URL link and associating that link with a stored advertising content.

The system provides for a "bi-directional" acceptance process between a subscriber and an advertiser. The bi-directional selection process allows subscribers to choose or 65 "endorse" certain advertisers and advertising campaigns with which they wish to associate. The bi-directional selection

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process also allows advertisers to choose which subscribers to approve by virtue of a review of related demographic, psychographic or interest information of each subscriber and pre-qualification of acceptable candidates.

The advertiser determines if the subscriber is pre-qualified based on a correlation between the subscriber's demographics and those desired by the advertiser. Pre-qualification of one subscriber allows the advertiser to target advertisements to a related group of potential customers because the qualified subscriber's contacts presumably share some or all of the same attributes and/or interests. Therefore, the contacts of the subscriber provide broad potential market to the advertiser, while requiring only a single demographic comparison to the subscriber. This allows an advertiser to focus its advertisements on favorable target markets without having to examine the attributes and interests of a large number of potentially unqualified prospects.

The system disclosed enables advertisers to reach targeted audiences by contact with mobile communications devices. Mobile communication devices encourage the recipient of a communication to accept advertisements because the session is identified as being initiated by a known contact. Only after acceptance by the recipient is the advertisement and associated testimonial displayed. Subscribers and recipients are provided incentives to participate. Cash incentives are provided on debit cards or other distribution methods.

In another embodiment, tools for social networking, including tools for the creation and display of testimonials, are combined with the incentive programs. These tools encourage recipient comments and follow-up testimonial messages. The embodiment provides for the storage, retrieval and display of the follow-up testimonial messages in connection with an advertisement.

In another embodiment, a hierarchical network of subscribers results from an initial communication. Each subscriber in the hierarchical network inherits features from the original subscriber including features of the original subscriber's profile. The inheritance accelerates the building of qualified subscribers and a broad advertising audience.

Provisions are made for incentive administration and reporting such as collecting regular advertising impression data, periodic processing of the incentive plans and continued updating of advertising campaigns and incentive programs.

It is in the interest of subscribers and advertisers jointly to
participate in use of the system. For advertisers, clickthroughs promote targeted brand awareness which generate
demand for products. For subscribers, click-throughs promote incentive payments and perpetuate brand loyalty. Also,
there is a recognition of the value of social media networking
in relation to raising brand recognition through targeted testimonials related to advertisements.

In another embodiment, a system and method is disclosed for providing, validating and verifying electronic offers. The electronic offers are sent to a mobile device for use at participating point of sale. A time limitation for offer redemption may be included. Similarly, a set of redemptive limits may be set allowing simple or repeated use of the electric offer. The electronic offers and attributes related thereto may be tracked by an analytics function for historical and predictive trend analysis and for geographical mapping.

DEFINITIONS

"Advertisement": a text, picture, video, audio media or offer provided by an advertiser and associated with an endorsement tag.

"Advertiser": an entity providing an advertisement.

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"Advertising Campaign": a collection of related advertisements and incentives.

"Advertising Endorsement System": a system for providing advertisements and endorsements between communication devices.

"Benefit": a discount on a service or product, a cash incentive or a product or service awarded for use of an offer.

"Computer-readable Medium": any apparatus that can contain, store, communicate, propagate, and transport a computer program for use in connection with the advertising 10 system.

"Offer": an actionable display on a subscriber communication device or a destination communication device that when validated provides a benefit.

"Destination Communication Device": a computer, cell 15 phone, smart phone or other device capable of receiving a communication message.

"Endorsement": an event of sending an endorsement tag to a recipient.

"Endorsement Tag": an active link including a unique identifier to allow viewing and tracking of advertisements, source communication devices and event identifications.

"Endorsement Identifier": a unique identification or code composed of a combination of a source communication device identifier and advertising campaign identification.

"Endorser": a subscriber who has selected an advertiser to endorse.

"Incentive": a reward provided to a subscriber based on an endorsement.

"Incentive Program": a set of rules governing an incentive 30 distribution.

"Interest Criteria": Demographic and psychographic information and other information related to interests or keywords,

"Intermediary": one or more computer servers and memory executing computer applications and communica- 35 tions to implement the advertising endorsement system.

"Qualified Subscriber": a person who meets the demographic criteria of an advertiser.

"Recipient": a person in possession of a destination communication device.

"Source Communication Device": a computer, cell phone, smart phone or other device capable of sending a communication message and an endorsement tag.

"Subscriber": a person in possession of a source communication device, who has created a profile on the intermediary 45 system.

"Testimonial": a text message, picture, audio or video message associated with an advertisement.

It should be understood that the terms advertisement, advertiser, advertising, benefit, campaign, destination communication device, endorsement, endorsement tag, endorser, incentive, incentive program, intermediary, qualified subscriber, recipient, source communication device, subscriber, and offer, while referred to in the singular shall mean their plural forms as well.

BRIEF DESCRIPTION OF THE DRAWINGS

The following disclosure is understood best in association with the accompanying figures. Like components share like 60 numbers.

FIG. 1 is a diagram of exemplary components of an advertising endorsement system.

FIG. 2 is a block diagram of exemplary components of the intermediary.

FIG. 3 a flowchart of an embodiment of the advertiser enrollment process.

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FIG. 4 is a flowchart of an embodiment of a subscriber sign-up process.

FIG. 5A is a flowchart of an embodiment of a manual subscriber enrollment process.

FIG. 5B is a flowchart of am alternate embodiment of an automatic subscriber enrollment process.

FIG. 5C is a flowchart of an embodiment including an automatic multi-tier subscriber enrollment process.

FIG. 6 is a flowchart showing an advertisement distribution process.

FIG. 7 is a flowchart showing a method of creating dynamic advertisements.

FIG. 8 describes a method for the creation of a unique identifier.

FIG. 9 is a flowchart showing an incentive administration process.

FIG. 10 is a flowchart showing an electronic offer redemption process.

FIG. 11 is a graphical illustration of a map of activation and redemption of electronic offers.

DETAILED DESCRIPTION

FIG. 1 is a diagram of exemplary components of an advertising endorsement system for providing direct advertising between communication devices. Subscriber 1, in possession of a source communication device 2, subscribes to an advertisement incentive program managed by an intermediary 9 to distribute advertisements from advertiser 10 to destination communication device 7 in possession of recipient 8.

Intermediary 9 includes a server 12, running a group of application programs and communicating with memory 15.

Source communication device 2 is in communication with destination communication device 7 via network 6. Examples of network 6 may be the Internet, a private network, a cellular phone network, or other service provider networks. The source communication device and the destination communication device preferably support digital communications and recording of electronic files such as audio, pictures, text and video. Preferred communication devices include cellular phones, smart phones, internet phones, WIFI devices, personal computers, personal digital assistants and instant messaging devices.

Operating systems running on source communication device 2 and destination communication device 7 coordinate and provide control of various components. Object-oriented software systems are preferred. The software systems run in conjunction with the operating system and provide calls to the operating system programs or applications executing on the source communication device 2 and destination communication device 7.

Source communication device 2 communicates with destination communication device 7 using a communications protocol. Examples of the communication protocol include Transmission Control Protocol/Internet Protocol (TCP/IP); Global System for Mobile Communications (GSM) including Short Messaging Service (SMS), multimedia messaging service (MMS), Code Division Multiple Access (CDMA), Wireless Application Protocol (WAP), 3G and 4G communication services including SMS, MMS protocols and WIFI.

Advertiser 10 includes a communication device capable of communicating with intermediary 9 over network 6. Examples include servers and personal computers connected to the network.

Point of sale 16 includes a computer 17, a local communications device 18, a memory 19 and a second communica-

tions device. Examples of a local communications device include a barcode scanner and a local wireless network interface.

In use, the system is activated by the advertiser initiating an advertising program. To initiate an advertising program, the advertiser is required to complete a setup process, provide a set of demographic and interest criteria and build and upload advertisements to memory 15. Application functions are configured to operate on server 12 to accomplish the setup, build and upload processes.

Subscriber 1 must sign up and enroll on the intermediary. To sign up, subscribers are required to complete a set-up process, including submission of a demographic and interest criteria to the intermediary.

The intermediary compares the demographic and interest criteria of the advertiser to the demographic and interest criteria of the subscriber to determine whether or not the subscriber is qualified. Based on the interest criteria, a set of endorsement opportunities from various advertisers is communicated to a subscriber by the intermediary.

Subscriber 1 elects to endorse an advertisement, advertiser or advertising campaign. Endorsement manager software 14 is loaded on source communication device 2. The endorsement manager software, in concert with functions resident on server 12 facilitate completion of the setup process, endorsement process and transmission of advertisements and testimonials to the destination communication device.

When a communication is transmitted between source communication device 2 and destination communication device 7, an endorsement tag is transmitted to destination 30 communication device 7. The endorsement tag includes a URL link with an embedded code that identifies the source communication device, the advertisement or advertising campaign and an impression identification. When the endorsement tag is activated by the destination communication device, the endorsement tag is decoded by the intermediary and used to locate the requested advertisement. The associated advertisement is downloaded to the destination communication device from the intermediary. The advertisement associated with the endorsement tag may be said to be 40 "endorsed" by subscriber 1.

In order to transmit an electronic "offer", data regarding the attributes of the electronic offer is first stored in memory 15 by server 12. A verification link to the offer is transmitted from the source communication device to the destination 45 communication device through the network. Upon activation of the link by the destination communication device, an offer graphic is sent from the intermediary to the destination communication device. Validation of the offer by the intermediary then occurs. In another embodiment, validation occurs by the 50 intermediary confirming location of the geographic location of the destination communication device through GPS coordinates. Upon verification, the intermediary transmits a validation or rejection graphic to the destination communication device which is then displayed. The validation graphic may 55 include a bar code.

Point of sale 16 completes a sales transaction with recipient 8 in which electronic offer information is scanned from the display of the destination communication device by the point of sale using local communications device 18.

Referring then to FIG. 2, intermediary 9 includes application functions 102, database 103 and website portal 104.

Application functions 102 include numerous constituent programs and objects which cooperate to carry out the functions of intermediary 9. In the preferred embodiment, the 65 application functions comprise software written in object oriented languages. These include system administration

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121, advertiser enrollment 105, subscriber enrollment 106, communications manager 107, campaign builder 108, testimonial manager 109, performance manager 110, incentive manager 111, analytics manager 112 and dynamic content manager 122.

System administration 121 provides for administration and maintenance of the various objects, including database management and management of website portal 104. Creation, deletion and editing of files and profiles is provided. Functions for screening of testimonials and demographic criteria are also provided.

Advertiser enrollment 105 coordinates and records the interaction between advertiser 10 and intermediary 9, as will be further described.

Subscriber enrollment 106 controls and records the interaction between the subscribers and the intermediary, as will be further described.

Communications manager 107 coordinates the functions between the endorsement manager software resident on the source communication device and the intermediary.

Campaign builder 108 is responsible for creating, coordinating and organizing campaigns and associated advertisements which are transmitted to the destination communication device. In the preferred embodiment, campaign builder 108 includes a set of design criteria including dimensions, preferred fonts, colors, and other graphics tools which are supplied to the advertiser via website portal. In an alternate embodiment, campaign builder 108 provides predetermined advertisement formats suitable for inclusion of custom text paragraphs to speed advertisement development. Once an advertisement is built, it is uploaded for storage in database 103. Campaign builder 108 also provides for grouping of advertisements into "campaigns." Each campaign may include attributes of timelines for deployment of each advertisement, geographic limitations, incentive programs and interest criteria for qualified subscribers. Each campaign is administered by the dynamic content manager.

Performance manager 110 provides the function of receiving and storing history log files from source communication devices by way of communication manager 107.

Incentive manager 111 coordinates the functions of tracking subscriber incentives and incentive payouts. In a preferred embodiment, the incentive manager also provides the functions of communication with financial institutions to receive payments from advertisers. Incentive manager 111, in a preferred embodiment, is also responsible for the functions of processing distributions to subscribers as incentives, and for tracking all accounting functions of the system. The incentive program may pay cash incentives, incentivize communication fees, offer product discounts, generate "rewards points" or provide product or service credit. The preferred embodiment of an incentive program utilizes a programmable electronic debit card to which credits are periodically uploaded. Incentive program selections may be made according to predefined incentive program types displayed and captured by a web form. The incentive program further requires specifying the incentive pay out. For cash and cash-like incentives (e.g. discounts or coupons) the preferred incentive program specifies an incentive amount for each recorded impression, an incentive amount for each recorded click-through, and an incentive amount for each additional action taken. Additional actions include an action that is taken in response to an advertisement or offer, for example, redeeming any offer and watching a video clip.

Analytics manager 112 is responsible for providing the functions of report generation utilized to analyze and report data related to subscribers, recipients, advertising campaigns,

advertisements, endorsements and testimonials. Analytics manager 112, in a preferred embodiment, also provides the functions of statistical analysis and prediction generation based on historical data to determine the effectiveness of an advertisement or advertising campaign. In a preferred embodiment, analytics manager 112 is also responsible for statistical analysis of the demographics of purchasing patterns related to demographics, geographic location, and time of day or date during the year.

Dynamic content manager 122 is responsible for providing functions related to the business logic used to deliver relevant and advertising content based on geographic location, date, day of week, time of day, interest criteria, weather conditions, or offer variations.

Database 103, in a preferred embodiment, is preferably comprised of a relational database written in a structured query language. The database provides structured data for queries, information retrieval and report generation, as well as maintenance.

Database 103, in the preferred embodiment, includes subscriber data 113, advertiser data 114, history data 116 and accounting data 118.

Subscriber data 113 includes demographic information, psychographic data, interest criteria, identification information and login information for each subscriber. Subscriber data 113 also includes current and historical matches, and incentives earned for each subscriber.

Advertiser data 114 includes advertiser identification and log-on information. Advertiser data 114 also includes chosen 30 interest criteria for subscribers supplied by each advertiser. Advertiser data 114 includes advertising campaign data. Advertiser data 114 further includes distribution preferences for timing and geographic location of each advertisement in the advertising campaign. Advertiser data 114 further 35 includes a maximum financial budget for each campaign. Advertiser data 114 further includes matching data for subscribers and cost per event specifications. Advertiser data 114 also includes a collection of electronic offers with metadata associated to each electronic offer, further comprising at least 40 one of the advertiser identity, time limitations, and geographic use and product limitations. Examples of time limitations may be a start time and an expiration time for an electronic offer. Examples of usage limitations may be a particular geographic area or a particular retail store.

History data 116 includes a compilation of data for each advertisement and advertising campaign, including the number of advertisements sent, the subscriber who sent them, the recipient of the advertisement, the number, geographic location and identification of all click-through events.

Accounting data 118 includes account information for advertisers, historical information reflecting incentives paid to subscribers, and tracking information for singular and multi-tiered distribution of funds.

Website portal 104 includes the functions related to operation of page data 119 and log files 120.

Page data 119 includes pages stored in memory capable of various communication functions required by the system. Page data 119 includes pages for subscriber addition, deletion and profile creation and maintenance. Similarly, page data 60 119 includes pages for the creation and maintenance of demographic and interest criteria, advertisements, advertisement campaigns and incentives through campaign builder 108, incentive manager 111 and analytics manager 112. Log files 120 include metrics of page usage and maintenance. For 65 maintenance of the intermediary website in coordination with system administration 121.

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Referring now to FIGS. 2 and 3, the advertiser enrollment process will be described. At step 22, advertiser 10 connects to intermediary 9 via the website portal. Login information is supplied and a request is made to access application functions 102 through a secure communications session. At step 24, the intermediary authenticates the advertiser login information. At step 25, application functions of advertiser enrollment 105 are activated and coordinate functions of the advertiser enrollment process. At step 26, pricing information is communicated. At step 27, pricing is accepted or declined and an advertising budget is set. If accepted the process moves to step 28. If not, the process concludes.

The advertisements and offers for the advertising campaign must be "built" and the attributes of the advertising campaign defined. The advertisements may include offers and vice versa. At step 28, a request is made for access to the campaign builder function 108 of application functions 102. At step 29, the intermediary enables a campaign builder application. At step 30, the intermediary grants access to the campaign builder function to advertiser 10. At step 31, forms related to creation of an advertising campaign the specific type of advertisement are completed by advertiser 10.

At step 32, interest and demographic criteria for qualification of subscribers is submitted.

In step 33, advertising campaign attributes are defined and include the scheduling timeline for distribution of the advertisements in the advertising campaign.

In step 34, electronic offer attributes are defined and include a redemption value, or range of redemption values, a product definition, a date and time and a maximum redemption count. The date and time may include a range of dates and times during which redemption can occur or change value. Offer attributes may include a geographic location for redemption, a bar code for identification, and other graphics. The electronic offer attributes may also include a weather specification. Other attributes include economic data, such as stock prices and averages, blog data, such as FaceBook posts and Twitter "tweets" and news events. Other attributes are possible and will be readily recognized by those of skill in the art. The redemption value and offer validity may be conditional on any one of the electronic offer attributes. For example, day of week and time of day may determine offer validity.

At step 35, keywords are defined by the advertiser for use 45 in determining a match condition with a qualified subscriber.

At step 36, an option "auto matching" is provided. "Auto matching" is provided in three forms. First, "auto matching" may be enabled for all advertising campaigns of an advertiser. If so, each subscriber who becomes "qualified" is enabled to "endorse" every advertisement and every advertising campaign for the advertiser specified. Second, "auto matching" may be enabled for an advertising campaign. If so, each qualified subscriber is enabled to "endorse" each advertisement in the specified advertising campaign. Third, "auto matching" may be enabled for a specific advertisement. If so, each qualified subscriber is automatically qualified to endorse a specific advertisement for a specific advertising campaign.

Also at step 46, graphics files are generated including custom graphics required for the advertisement by advertiser 10 to complete each advertisement and offer.

At step 47, the completed form and graphics files and the interest criteria, auto matching choice, advertising campaign attributes (including offer data) and incentive programs are uploaded to the intermediary. At step 48, intermediary 9 stores the uploaded data and assembles and stores the advertisement associated with advertiser 10 in the database in advertiser data 114. At step 49, the advertisement or offer is

assigned a unique identification numbers by the intermediary and stored in the database under advertising data 114.

At step 52, the advertiser funds the advertising campaign and executes the advertisement agreement. At step 53, the advertiser transmits funding to the intermediary and requests 5 execution of the advertising campaign. Funding preferably includes transmission of a cash amount to the intermediary via wire transfer. At step 54, the intermediary records receipt of the funding and creates a record in the database in accounting data 118 by incentive manager 111. At step 55, the intermediary activates each advertising campaign.

Referring to FIGS. 2 and 4, the subscriber sign-up process will be described. In step 56, source communication device 2 connects to intermediary 9 through website portal 104. In step 57, a request for information is sent via a form to the source 15 communication device from the intermediary. The form requests basic information such as communication device user's name, communication device type, and a communication device identification number such as a phone number or IP address. At step 58, the source communication device 20 responds by transmitting the completed form including a requested username and password. At step 59, the intermediary authenticates the source communication device and starts subscriber enrollment 106. Authentication may include cross-checking the phone number or the device identification 25 and the profile information of the user with publicly available data sources. At step 60, the intermediary sends a text message to the source communication device confirming setup. At step 61, the source communication establishes a secure communication session with the intermediary via web ser- 30 vices on some other secure communications channel.

In step 67, a determination is made by the intermediary as to whether the source communication device has the technical capability to participate. At step 68, the intermediary then checks the source communication device for an endorsement manager program by attempting to communicate with it. At step 69, if the endorsement manager is present, a return acknowledgment message is generated. At step 70, the acknowledgment message is sent to the intermediary. At step 71, if the endorsement manager program is not present, then 40 it is retrieved by the source communication device. At step 72, the endorsement manager program is installed and is activated and an acknowledgment message is generated. At step 73, the acknowledgment is returned to the intermediary. At step 74, application functions of the communications manager are activated.

In step 75, a subscriber profile form is completed. The subscriber profile includes subscriber demographic information. Subscriber demographic information includes gender, age, zip code, and may include other information such as 50 ethnicity, income level, property ownership and education. At step 76, the subscriber profile is sent to the intermediary. At step 77, the Intermediary receives and stores the profile data in subscriber data 113 in the database. At step 78, keywords are defined by the subscriber to become part of the subscriber 55 profile to be used in determining a match condition. In step 79, an interest profile is completed. The interest profile includes a list of hobbies, interests, affiliations and other psychographic information. At step 80, the interest profile is sent to the intermediary. At step 81, the intermediary receives 60 and stores the interest data in subscriber data 113 in the database. At step 82, the endorsement manager program enables a local endorsement dashboard. At step 83, the endorsement manager program requests transmission of endorsement opportunities. At step 84, the intermediary 65 retrieves the requested endorsement opportunities. At step 85, the endorsement opportunities are sent from the intermediary

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to the source communication device. At step 86, the endorsement opportunities are displayed.

FIG. 5A shows a preferred manual subscriber enrollment process. Referring then to FIGS. 2 and 5A, at step 157, the source communication device connects to the intermediary web portal and transmits login data. At step 158, the login data is authenticated and functions of subscriber enrollment 106 are started. At step 159, an acknowledgment is transmitted. In step 160, the source communication device sends a request to endorse. At step 161, the intermediary responds to the request by performing a matching process to qualify subscribers for endorsement opportunities.

The matching process correlates the demographic and interest profile data from the subscriber with the demographic criteria and interest criteria of the advertiser. In the preferred embodiment, each element of the demographic criteria, interest profile, keywords, or other criteria of the advertiser is compared to each element of the demographic profile to arrive at a match condition. [each corresponding] Similarly, each element of the interest criteria of the subscriber is compared to each element of the advertiser to arrive at a match condition.

At step 162, the intermediary returns a list of endorsement opportunities for which the subscriber is "qualified." Each endorsement opportunity includes a description of the advertiser, advertising campaign, advertisement.

In an alternate embodiment, step 162 includes the steps of the intermediary providing a list of non-participating advertisers to the subscriber or the ability to suggest an unlisted advertiser.

The endorsement opportunities are displayed at step 163. In step 164, the subscriber selects a subset of the endorsement opportunities for enrollment. The subset selection is transmitted to the intermediary at step 165. At step 166, intermediary stores the selected subset in the database in subscriber data 113. At step 167, the intermediary creates a set of endorsement identifiers for each of the endorsement opportunities of the selected subset. The endorsement identifiers include embedded URLs and endorsement identifiers to serialize each specific endorsement tag with a unique code.

Referring to FIG. 8, endorsement identifier 920 is created by calculating a hash code between source communication device identification 900 and an advertising campaign identification 905. An example is shown below:

http://bca2.com/ad.aspx?d=12V7NS8MPTXGTFL

The source communication device identification is preferably the device serial number or the phone number.

Returning to FIG. 5A, at step 168, the endorsement identifier is sent to the source communication device. At step 169, the endorsement identifier is stored on source communication device by the endorsement manager program. In step 170, the endorsement manager program periodically triggers a refresh for endorsement identifiers from the intermediary. At step 171, updated endorsement identifiers are requested. At step 172, the intermediary automatically updates the endorsement identifiers which reference current versions of advertisement campaign identifications, advertisement identifications or electronic coupon identifications. At step 173, updated endorsement identifiers are transmitted. At step 174, the updated endorsement identifiers are stored on the source communication device by the endorsement manager program.

Once endorsement identifiers are stored on the source communication device, the "subscriber" becomes an "endorser" capable of participating in distribution of advertisements and incentive programs. A "bi-directional selection" has occurred between the subscriber and the advertiser where each has

"chosen" the other and has agreed to participate in distribution of advertisements. A "bi-directional selection" also occurs if a subscriber chooses all available advertisers and/or an advertiser chooses all available subscribers.

FIG. 5B is a flowchart of an alternate embodiment showing 5 an automatic subscriber enrollment process. Referring then to FIGS. 2 and 5B, in step 212, the source communication device initiates a communication to the destination communication device. In step 213, the endorsement tag is sent from the source communication device to the destination commu- 10 manager program generates a number based on elapsed time nication device in connection with the communication. In step 214, the destination communication device opens the endorsement tag. The endorsement tag is clicked, thereby activating the link incorporated in the endorsement tag. In step 215, a request for an advertisement to the intermediary is 15 sent.

In step 217, the intermediary, via the dynamic content manager generates and returns the advertisement. Included in the advertisement is a sign-up link for "automatic" sign-up. In step 218, the advertisement is sent to the destination commu- 20 nication device. The advertisement is displayed at step 219. The destination communication device activates the automatic sign-up link in step 220. A sign-up request is sent to the intermediary at step 221. At step 223, the Intermediary starts the functions of subscriber enrollment 106. At step 224, inter- 25 mediary 9 acknowledges the sign-up request by sending an acknowledgement message. The acknowledgement message contains a link to download the endorsement manager. At step 225, the destination communication device requests a secure communication session using the web portal. A secure communication session is established at step 226.

In step 227, authentication occurs and the destination communication device is automatically enrolled in the advertising campaign associated with the advertisement that was displayed. At step 228, a unique endorsement identifier is gen- 35 erated for the destination communication device as a new qualified subscriber. In step 232, the endorsement manager program along with the endorsement identifier is sent to the destination communication device. At step 234, the endorsement manager program is installed and activated. At step 235, 40 the endorsement identifier is stored by the endorsement man-

FIG. 5C shows an alternate embodiment of an automatic multi-tier subscriber enrollment process. As destination communication devices 610, 611 and 612 are automatically 45 enrolled, they automatically inherit the status of qualified subscriber attributed to the source communication device for advertising campaign 605 associated with the advertisement viewed. Destination communication devices 610, 611 and 612 comprise first tier 601 of destination communication 50 devices. Similarly, when destination communication devices 620, 621 and 622 are automatically enrolled, they also automatically inherit the status as a qualified subscriber for advertising campaign 605 creating second tier 602 of destination communication devices. Additional tiers of destination 55 devices are created as they receive communications from first tier 601 of destination communication devices and second tier 602 of destination communication devices. Each additional tier of destination communication devices inherits the status as a qualified subscriber for advertising campaign 605 and 60 original incentive program 606. The intermediary generates endorsement identifiers for each new destination communication device in each new tier of destination communication devices. The endorsement identifiers each contain the source communication device identification. The source communi- 65 cation device identification is used to track incentives paid to the source communication device from endorsement transac12

tions performed by the first tier, second tier and additional tiers of destination communication devices.

FIG. 6 shows a flowchart of the advertisement distribution process of the system. Referring then to FIGS. 2 and 6, at step 259, the endorsement manager program generates a unique identifier.

Referring to FIG. 8, impression identification 910 is hashed with endorsement identifier 920 to create unique identifier 940. In the preferred embodiment, the endorsement from a predefined event in the past, such as the date that endorsement manager software was installed, on the subscriber communication device. An example is shown below:

http://bca2.com/ad.aspx?d=12V7NS8MPTXGTFL&i= 8efvy

In alternate embodiments, other information may be combined to create unique identifier 940, such as date and time information, geographic location information and device settings of the source communication device.

Returning to FIG. 6, at step 260, the endorsement manager program sends the endorsement tag containing the unique identifier to the destination communication device. At step 261, the endorsement manager software records the transmission of the endorsement tag as an event in a history log. In step 262, the endorsement tag is opened on the destination communication device. At step 264, a request for an advertisement is sent to the intermediary from the destination communication device by activating the URL link embedded in the endorsement tag. At step 265, the intermediary generates and formats an advertisement.

In a preferred embodiment, the step of generating an advertisement includes the dynamic content manager 122 of intermediary 9 decoding the hashed unique identifier in the endorsement tag and decoding advertisement campaign identification 905. The dynamic content manager then retrieves the appropriate advertisement graphics called for by the advertisement identification from the database and formats it to match the device type of destination communication device.

FIG. 7 is a flowchart showing the detail of an alternate embodiment of dynamic advertisement generation. In step 366, the intermediary parses the web browser session header for the destination communication device OS, time/date stamp, IP address and browser type. In step 368, the intermediary determines if geographical location information is requested by the configuration of the advertisement. If requested, then the intermediary sends a request for GPS coordinates to the destination communication device in step In step 372, authorization to release the GPS coordinates is provided by the destination communication device. At step 374, the GPS coordinates are sent to the intermediary. In step 375, the intermediary locates and retrieves an advertisement related to the GPS coordinates using the dynamic content manager.

In an alternate embodiment, the intermediary determines the geographical location of the destination communication device by determining which cellular tower is carrying the signal from the destination communication device.

In step 377, the dynamic content manager of the intermediary determines if the advertisement requires supporting data from outside data sources is required by the advertisement. If so, at step 378, the intermediary requests the supporting data from outside data source 355. Examples of supporting data include weather data, news data (such as a news event), economic data (such as reports of the Dow Jones Industrial Average) and blog data (sources such as FaceBook and Twitter). At step 380, outside data source 355 configures

the supporting data according to parameters included in the request. At step 382, the intermediary retrieves the supporting data from the outside data source.

At step 384, the intermediary configures the advertisement according to data from the parsed header, geographical loca- 5 tion and outside data source.

In an alternate embodiment, generation of the advertisement is altered according to a random selection process. The intermediary randomly chooses an advertisement from a predetermined set of advertisements stored in the database of 10 advertiser data 114.

In an alternate embodiment, the intermediary selects which advertisement to send based on the date, time, season of the year, holiday dates, dates of special events or weather related data from outside data source 355. Weather data may be used 15 in association with geographic location data to determine the weather at the geographic location of the destination communication device.

In yet another embodiment, the intermediary selects the communication device. Previous responses are drawn from history data 116.

Returning to FIG. 6, at step 266, the advertisement is transmitted to the destination communication device. At step 267, the destination communication device opens and views the 25 advertisement. At step 268, the intermediary records the endorsement click-through event in the history data in association with the subscriber identified in the unique identifier contained in the endorsement tag and when available the GPS coordinates of the destination communication device.

At step 269, the destination communication device activates an embedded link in the advertisement. At step 270, a message is sent to the Intermediary requesting information. At step 271, the intermediary records the request for information and logs the event against the source communication 35 device identifier in a history file. At step 272, the information is provided to the destination communication device. At step 273, the information is viewed.

At step 283, the endorsement manager program periodically triggers an upload of the history log file to the interme- 40 diary to be tracked for incentive distribution. In step 284, the history log is uploaded. At step 285, the history log is stored according to the source communication device identification. In step 286, intermediary 9 compiles and tracks incentives.

FIG. 9 shows incentive administration process. Referring 45 then to FIGS. 2 and 10, in step 767, the intermediary monitors active incentive programs through the functions of incentive manager 111, and if it detects a change in an attribute of an incentive program is scheduled to occur, then at step 768, a message may be sent to the source communication device 50 regarding the change. Examples of changes in attributes include closure of an incentive program or an advertising campaign or temporary special events like a coupon offer.

At step 770, performance data derived from the history log file is analyzed to arrive at an accounting of incentives and 55 fees. At step 775, a report summarizing the incentives and fees due is made available to the advertiser through the website site portal 104. At step 776, the fees due are accessed via the web portal. At step 777, a report is made available to the source communication device regarding incentives through 60 website portal 104. At step 778, the report is accessed via the web portal. At step 785, the intermediary authorizes payment of incentives. In a step 790, payment is made. In the preferred embodiment an electronic cash card is created and sent to the subscriber by mail. In step 795, the financial accounts of the 65 advertisers are appropriately debited by the incentive manager of the intermediary and stored in accounting data 118.

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Referring to FIGS. 1, 2 and 10, a description of a preferred method of electronic offer creation, transmission and redemption will be provided.

At step 504, the endorsement tag is opened on the destination communication device. At step 505, a request for an advertisement is sent from the destination communication device to the intermediary by activating the URL link embedded in the endorsement tag. At step 506, the intermediary generates and formats the advertisement. During generation, the intermediary retrieves the offer attributes from advertiser data 114. Various features of the offer, such graphics and the offer redemption value, can be varied based on the date, time or geographic location of the destination communication device. At step 507, the intermediary requests the GPS coordinates of the destination communication device. At step 508, the destination communication device supplies its GPS coor-

It should be noted that other location gathering mechaadvertisement based on previous responses by the destination 20 nisms can be used to determine the locator of the destination communication device. For example, location through cell phone tower usage.

The electronic offer is transmitted to the destination communication device in step 511. At step 512, the destination communication device displays the electronic offer.

At step 514, if the offer includes a validation "button", it is activated by clicking by the destination device. The "button" graphically disguises a link. At step 515, the destination device sends a validation request to the intermediary.

In step 516, offer manager 123 of the intermediary determines validity of the electronic offer by retrieving stored attributes of the offer from advertising data 114. The intermediary retrieves the activation code, date, time and geographic use limitations. The intermediary also retrieves the advertiser identity, the product and the redemption value. Once retrieved, the offer attributes are compared to activation code, the date, time and known geographic location of the destination communication device. Advertiser identity and product identity are also compared. If the attributes are valid, offer processing continues. If invalid, offer processing stops.

After validation, a validation graphic message is generated by the intermediary at step 517. The validation graphic may either indicate a valid offer message or an invalid offer message. If a valid offer is indicated, at step 518, the intermediary may optionally generate a barcode. The intermediary maintains a running count of the number of redemption events that have occurred. At step 519, if a valid offer is indicated, the total redemption count is debited. If the maximum redemption count has been reached, then the offer is not valid. In step 520, the intermediary sends the validation graphic message, including the bar code if generated, to the destination communication device. At step 521, the validation graphic is displayed on the destination communication device.

At step 523, the barcode is scanned. The point of sale captures the barcode information from the destination communications device at step 524.

At step 525, the point of sale redeems the electronic offer and as it would a paper coupon.

In an alternate embodiment, the redemption event can assume different forms. For example, a link may be provided to purchase tickets at an event. Another link may be provided to activate and display a streaming video. A third type of link may be provided to schedule an appointment such as, a doctors appointment or a test drive for an automobile. Each separate link when activated communicates a message to the intermediary who then takes the appropriate action, transmits the appropriate data, or links to another site as required.

In another alternate embodiment, the redemption event is based on one or more of the electronic offer attributes. For example, the redemption event can be based on the geographic location of the destination device, a time, a date, or a number of redemption events.

At step 538, the intermediary stores historical data for verified offers.

At step 548, the analytics function performs a historical sales trend analysis, whereby sales associated to offer redemptions are analyzed by category.

At step 550, the analytics function further performs a set of predictions of sales trends related to products, advertisers, offers, or subscribers.

At step 551, the intermediary generates graphics associated with historical sales trends and sales predictions. At step 15 552, the intermediary makes the graphics generated available through the web portal.

FIG. 11 is an example of a geographical map generated by the analytics manager. Geomap 430 is a map including an offer redemption density display. The display indicates offer 20 use by summing the number of validation events for a offer type for a defined geographic region for a discrete period of time. Validation events may be indicated for each offer, each advertiser, each advertising campaign, each advertisement, and each subscriber. Shapes 431, 432, and 433, are generated 25 by calculating the density of validation events per area and displaying like colors in areas of equal density.

Animation of the geomap is enabled by the analytics manager by storing several (or many) geomaps in memory according to consecutive periods of time and then displaying 30 them in order in rapid succession. Changes in the calculated densities of redemption events then can be visualized as changing colored areas on the geomap. As examples, areas 435a may be displayed at time=1. Areas 435b may be displayed at time=2. The increase in each area from 435a to 435b 35 further comprises the steps of: indicates an expansion of area where a similar density of events occurs. Thus, the advertiser may adjust distribution of electronic offers to various geographic areas guided by the geomap.

Although various embodiments have been described in 40 detail, those skilled in the art will understand that changes, substitutions and alterations can be made without departing from the spirit and scope of what has been described. Accordingly, all such changes, substitutions and alterations are intended to be included as defined in the following claims.

The invention claimed is:

1. In a system comprising a network, a source communication device, a first destination communication device and an intermediary connected to the network, a method for pro- 50 viding an electronic offer to a first recipient associated with the first destination communication device and for incentivizing a subscriber associated with the source communication device comprising:

receiving, at the intermediary, a first profile including a set 55 of identification requirements related to at least one advertiser of a group of advertisers;

receiving, at the intermediary, a second profile including a set of identification data related to the subscriber:

deriving, by the intermediary, a match condition between 60 the first profile and the second profile;

determining, by the intermediary, if the subscriber is a first qualified subscriber based on the match condition;

transmitting, from the intermediary to the source communication device, a first endorsement tag related to the at 65 least one advertiser of the group of advertisers and linked with advertising content;

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transmitting a first content communication between the first source communication device and the first destination communication device;

transmitting the first endorsement tag to the first destination communication device; and,

receiving a first signal, at the intermediary from the first destination communication device, through execution of the first endorsement tag, to transmit the electronic offer.

2. The method of claim 1 further comprising the steps of: transmitting an incentive program from the intermediary to the source communication device for participation of the first qualified subscriber; and,

incentivizing the first qualified subscriber at the source communication device according to the incentive pro-

- 3. The method of claim 2 further comprising the step of: verifying, by the intermediary, a validity state of the electronic offer.
- 4. The method of claim 3 wherein the step of verifying, by the intermediary, a validity state of the electronic offer comprises the further steps of:

receiving, at the intermediary, a set of offer attributes; receiving, at the intermediary, a verification request from the first destination communication device;

comparing, by the intermediary, at least one offer attribute of the set of offer attributes to the verification request to arrive at a set of results;

generating, by the intermediary, a verification signal based on the set of results; and,

transmitting the verification signal from the intermediary to the first destination communication device.

5. The method of claim 4 wherein the step of comparing

receiving, at the intermediary, a predetermined set of valid geographic coordinates in the set of offer attributes;

receiving, at the intermediary, a set of location geographic coordinates as the verification request; and,

comparing, by the intermediary, the set of location geographic coordinates to the set of valid geographic coor-

6. The method of claim 4 wherein the step of comparing further comprises the steps of:

receiving, at the intermediary, a predetermined set of time restrictions in the set of offer attributes;

receiving, at the intermediary, a set of time stamp data, related to execution of the electronic offer, as the verification request; and,

comparing, by the intermediary, the set of time stamp data to the set of time restrictions.

7. The method of claim 6 further comprising the steps of generating, by the intermediary, a bar code and including the bar code in a static graphic image.

8. The method of claim 4 wherein the verification signal is drawn from one of the group of a valid verification signal and an invalid verification signal, wherein the set of offer attributes includes a maximum number of valid verification signals; the method further comprising the steps of:

tracking, by the intermediary, a number of valid verification signals;

comparing, by the intermediary, the number of valid verification signals to the maximum number of valid verification signals; and.

generating, by the intermediary, an invalid verification signal if the number of valid verification signals is greater than the maximum number of valid verification signals.

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9. The method of claim 4 wherein the step of generating includes the further step of:

generating, by the intermediary, a verification signal, including a set of redirection links drawing from one or more of the group of, a redirection link to a streaming 5 video site, a redirection link to a ticket purchase site and a redirection link to an appointment calendar site.

10. The method of claim 3 further comprising the steps of: receiving a set of feedback data, at the intermediary from the first destination communication device, related to a 10 redemption event;

tabulating, by the intermediary, one or more of the set of feedback data; and,

generating, by the intermediary, a report based on the tabu-

11. The method of claim 10 further comprising the step of: generating, by the intermediary, a trend analysis based on the tabulation.

12. The method of claim 10 including the further step of: generating, by the intermediary, a geographic map of validation density based on the tabulation.

13. The method of claim 12 including the further step of: animating, by the intermediary, the geographic map of validation density to show a density change.

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Exhibit C

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(10) Patent No.:

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(45) Date of Patent:

*Jun. 4, 2013

(54) SYSTEM AND METHOD FOR PEER-TO-PEER ADVERTISING BETWEEN MOBILE COMMUNICATION DEVICES

(75) Inventors: Andrew E. Levi, Plano, TX (US);

Bradley W. Bauer, Richardson, TX

Assignee: Blue Calypso, Dallas, TX (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35

U.S.C. 154(b) by 0 days.

This patent is subject to a terminal dis-

claimer.

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- (60) Provisional application No. 60/639,267, filed on Dec. 27, 2004.
- (51) Int. Cl. H04W 4/00 (2009.01)
- U.S. Cl. USPC 455/466; 705/7.14; 705/7.38; 705/7.15; 705/14.1; 705/14.4; 725/42; 455/414.1; 455/432.1
- Field of Classification Search USPC 705/14.4-14.46, 14.72, 7.14, 7.15,

705/7.22, 738, 14.1, 26.1; 455/466, 414.1, 455/432.1; 725/42

See application file for complete search history.

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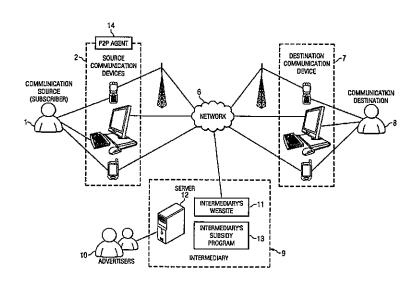
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(57)ABSTRACT

Disclosed are a method and system for peer-to-peer advertising between mobile communication devices. A subsidy program is set up based on a profile of an advertiser having at least one advertising media. A qualified subscriber is identified for the advertiser based on a profile of a subscriber. One or more advertisers and subsidy programs for the qualified subscriber is selected. In addition, when a communication transmission is received from a source communication device, at least one advertising media is associated with the communication transmission and the communication transmission is transmitted from a source communication device to a destination communication device.

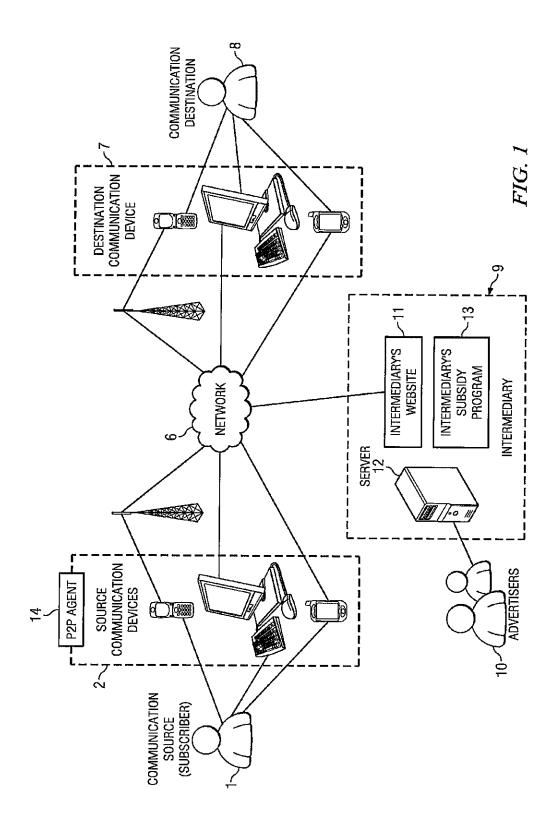
5 Claims, 9 Drawing Sheets



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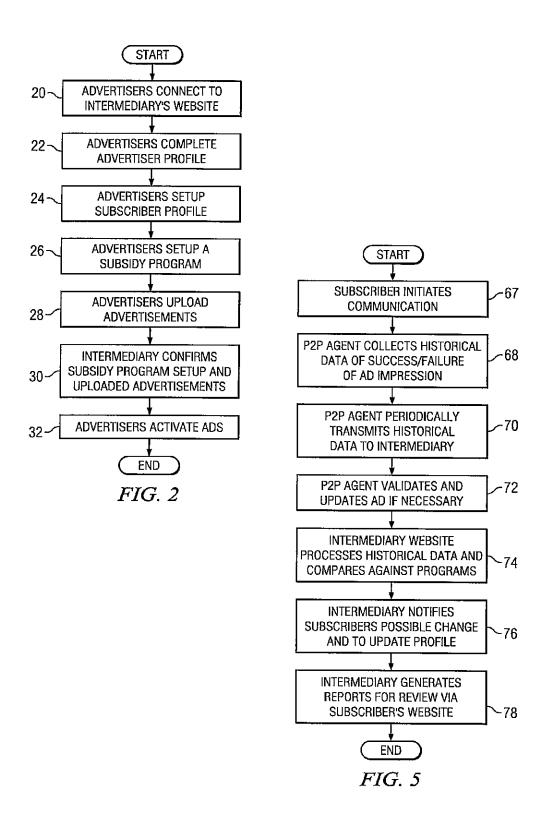
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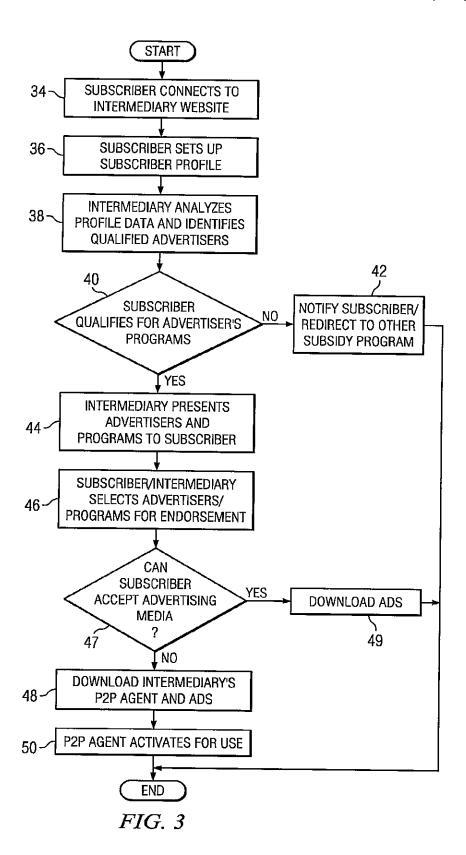
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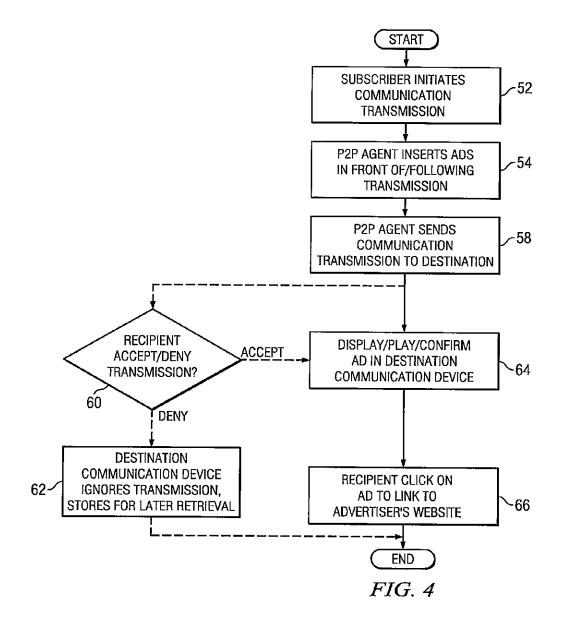


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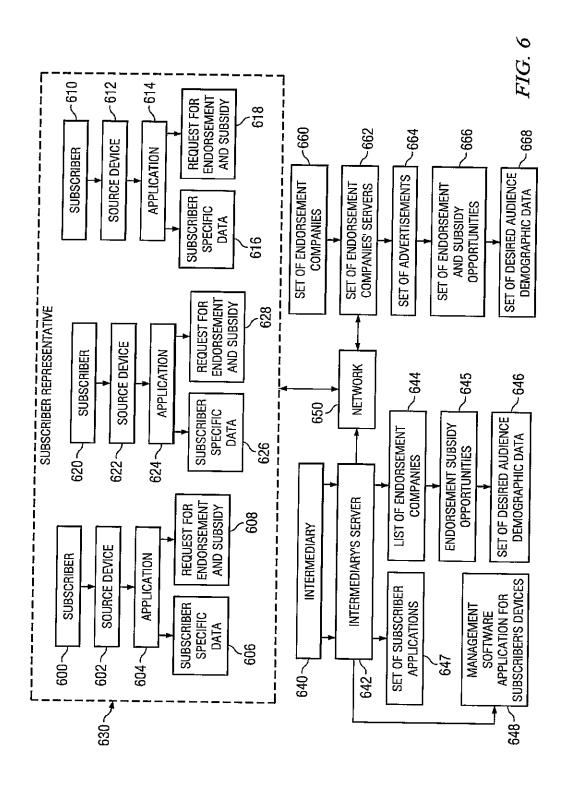


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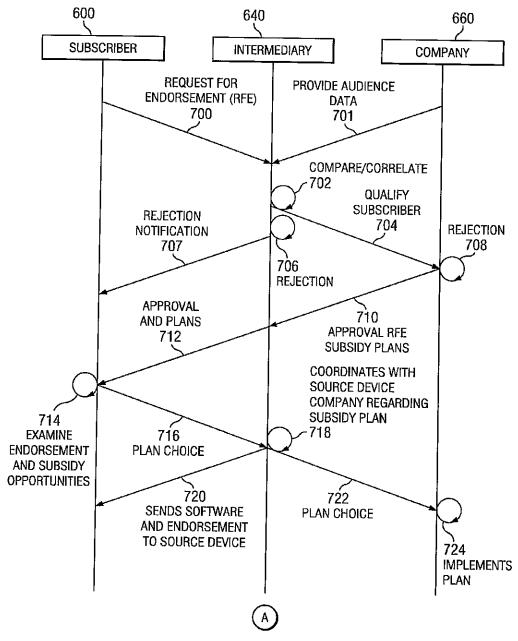
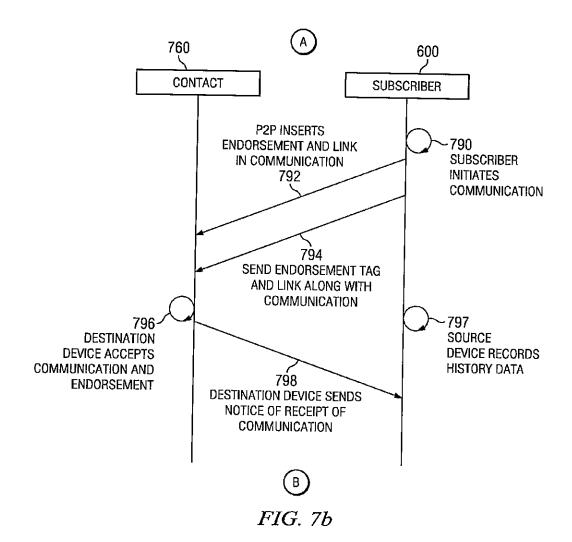


FIG. 7a

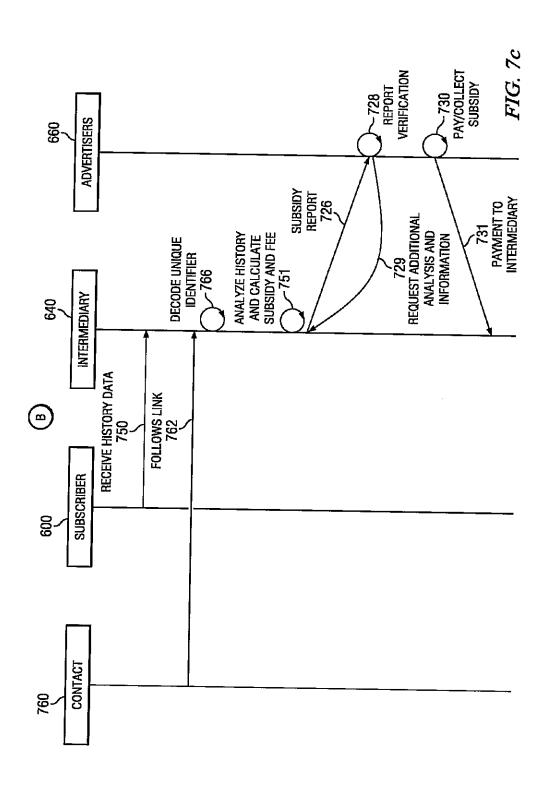
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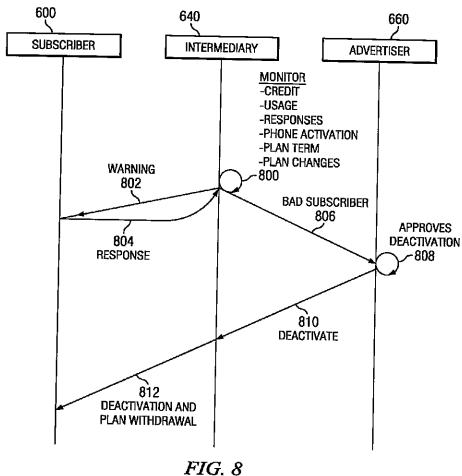
Jun. 4, 2013

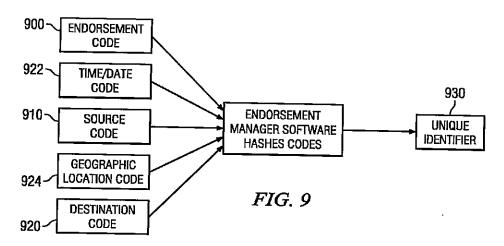
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SYSTEM AND METHOD FOR PEER-TO-PEER ADVERTISING BETWEEN MOBILE COMMUNICATION DEVICES

CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a continuation application claiming priority from U.S. patent application Ser. No. 12/592,019 filed on Nov. 18, 2009 which is a continuation of U.S. Pat. No. 10 7,664,516 filed on Dec. 23, 2005 which claims priority to U.S. Provisional Patent Application No. 60/639,267 filed Dec. 27, 2004.

BACKGROUND OF THE INVENTION

As peer-to-peer and mobile technologies evolve into highly sophisticated two-way communication systems including mobile phones, instant messaging devices, and personal digital assistants (PDA), the adoption and usage of such 20 technologies continue to increase at a rapid rate. Advertisers are highly motivated to identify new methods of creating brand awareness to users. One of these methods is known as advertising impressions. Leveraging mobile technologies as described above, advertising impressions provide brand and 25 product awareness by directly displaying company advertisements, offering sale promotions, or facilitating the sale of products directly to users' devices.

In addition to advertisers, users may utilize these technologies to select specific advertisers who may reach them. For example, technologies like personal digital video recorders allow users to skip undesirable advertisements. In addition, technologies, such as a subscription of satellite radio, allow users to listen to music without the disruption of commercials.

With the declining ability to offer advertisements through traditional broadcast advertising medium, such as public radio and television, a need exists for a method that offers more frequent and effective direct advertising to peer-to-peer users.

BRIEF DESCRIPTION OF THE DRAWINGS

Aspects of the present disclosure are best understood from the following detailed description when read with the accompanying figures. It is emphasized that, in accordance with the standard practice in the industry, various features are not drawn to scale. In fact, the dimensions of the various features may be arbitrarily increased or reduced for clarity of discussion.

- FIG. 1 is a diagram of exemplary components for providing advertising between peer-to-peer communication devices.
- FIG. 2 a flowchart of an embodiment of an advertiser setup process.
- FIG. 3 is a flowchart of an embodiment of a subscriber 55 setup process.
- \vec{F} 1 \vec{G} . 4 is a flowchart of an embodiment of a communication process.
- FIG. 5 is a flowchart of an embodiment of a subscription maintenance process.
- FIG. 6 is a diagram showing communication between the subscriber, intermediary, and the endorsement companies.
- FIG. 7a describes the interactions between the subscriber, intermediary and advertiser nodes during the enrollment process.
- FIG. 7b describes a communication and the recording of historical data.

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- FIG. 7c describes the payment of the subsidy to the subscriber.
- FIG. 8 describes interactions between the subscriber, intermediary and advertiser nodes during the subscriber de-enrollment process.
- FIG. 9 describes the creation of a unique identifier for each endorsement sent by the subscriber to a contact.

DETAILED DESCRIPTION

It is to be understood that the following disclosure provides many different embodiments, or examples, for implementing different features of the disclosure. Specific examples of components and arrangements are described below to simplify the present disclosure. These are, of course, merely examples and are not intended to be limiting. In addition, the present disclosure may repeat reference numerals and/or letters in the various examples. This repetition is for the purpose of simplicity and clarity and does not in itself dictate a relationship between the various embodiments and/or configurations discussed.

Aspects of the present disclosure provide effective transmissions of advertisements preceding and following transmissions of peer-to-peer communications, which occur directly between peer-to-peer communication devices. Examples of peer-to-peer communication devices include cellular phones, personal digital assistants (PDA), personal computers, instant messaging devices, and audio devices.

FIG. 1 is a diagram of exemplary components for providing direct advertising between peer-to-peer communication devices. A communication source, such as subscriber 1, subscribes to a communication subsidy program 13 of an intermediary 9. In an illustrative embodiment, the communication subsidy program 13 of the intermediary 9 is funded in whole or in part by advertisers 10. Alternatively, the communication subsidy program 13 of the intermediary 9 may be funded by an independent entity, an Internet service provider, or a telecommunications service provider. The intermediary communication subsidy program 13 may be developed using an object-oriented programming language, such as JavaTM or C++, C#, or other programming languages.

When a communication transmission (a cellular phone call, a video conferencing session, an instant message, text message (SMS, MMS or other), a personal computer communication, or a voice communication) is initiated by the subscriber 1 to a communication destination 8, an advertisement preceding and/or following the communication is transmitted to a destination communications device 7 used by communication destination 8. The subscriber 1 may utilize a 50 source communication device 2, such as a cellular phone, a personal computer, a personal digital assistant, or an instant messaging device, to initiate the communication. Source communication device 2 may be coupled to a network 6 and may communicate with destination communication device 7 via the network 6 using a communications protocol. Examples of network 6 may be the Internet, a private network, a cellular phone network, or other service provider networks. Examples of the communication protocol include Transmission Control Protocol/Internet Protocol (TCP/IP), Global System for Mobile Communications (GSM), Code Division Multiple Access (CDMA), and Wireless Application Protocol (WAP).

Operating systems running on communication devices 2 and 7 coordinate and provide control of various components.

Each operating system may be a commercially available operating system such as Microsoft® Windows® Mobile (Microsoft and Windows are trademarks of Microsoft Corpo-

ration, Redmond, Wash.). An object-oriented software system, such as the JavaTM software system may run in conjunction with the operating system and provide calls to the operating system from JavaTM programs or applications executing on communication devices 2 and 7. (Java is a product available from Sun Microsystems, Inc, of Santa Clara, Calif.) It is understood that the present disclosure may be used with other operating systems and applications written using other programming languages.

When the communication transmission is received by destination communication device 7, the advertisement may be displayed, played, or confirmed. The source of the advertisement may be announced to the recipient as being endorsed by the advertisers 10, an independent entity, an Internet service provider, a telecommunication service provider, or other 15 types of communication providers. It is understood that FIG. 1 is intended as an example, and not as an architectural limitation for different embodiments of the present disclosure.

FIG. 2 is a flowchart of an embodiment of an advertiser 20 setup process. Advertisers 10 may create and manage its own advertisement subsidy program or choose to participate in an intermediary's separately managed communication subsidy program 13. In the event of the advertisers choosing an intermediary's communication subsidy program 13, advertisers 25 10 are required to complete a setup process, receive approval of their profile by the intermediary from a technical and procedural context, and upload their desired ads to be used in the intermediary's communication subsidy program 13 before advertisements may be offered.

In step 20, advertisers 10 connect to or browse the intermediary's website 11. The intermediary's website 11 may reside in a server 12 managed by the intermediary 9. In step 22, advertisers 10 complete an advertiser profile on the intermediary's website 11 identifying the advertisers' criteria. In 35 step 24, advertisers 10 setup a subscriber profile on the intermediary's website 11 identifying necessary demographic criteria of a desirable subscriber 1.

In step 26, advertisers 10 set up a subsidy program. The subsidy program 13 enables advertisers 10 to select or 40 endorse desirable subscribers in order to subsidize the communication fees, offer its own product discounts or other company's product discounts, generate and accumulate "rewards points" for the subscribers, and mitigate or defer other expenses of the subscriber 1. The advertisers 10 may provide other types of subsidies or incentives to the subscribers 1 without departing the spirit and scope of the present disclosure. The selection of subscribers may be based on a matching of the subscribers' criteria against the advertisers' criteria.

In addition, the subsidy program 13 enables advertisers 10 to identify what level of discounts, credits, points, or offerings the subscriber 1 receives as a subsidy in accordance with certain performance criteria. An example of performance criteria includes the number of communication transmissions the subscriber had made and the length of the transmissions. Furthermore, the identification process may be accomplished through a bidding process, an automated auction, or may be standardized based upon other categorical groupings. An example of the bidding process includes a number of advertisers bidding for a group of premium subscribers, who communicate with other subscribers most frequently. An example of categorical groupings includes allowing the subscriber to be endorsed by a different advertiser for each communication event based on a target subsidy or a target destination.

In step 28, advertisers 10 upload their advertisements, which may be in a form of text, audio, video, static graphic, or

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other advertising media, to the intermediary's website 11 to be later associated with one or more subscriber's communications. Advertisers 10 also have the ability to identify when and how to apply each advertisement media type based upon a set of rules or logic defined by either the advertisers 10 themselves or the intermediary 9.

In step 30, the intermediary 9 confirms with advertisers 10 that the subsidy advertisements are ready for use and that the subsidy program setup is complete. Advertisers 10 may then elect, through a secure login process, to endorse themselves in order to test their advertisements and adjust the advertisements as necessary. Otherwise, in step 32, advertisers 10 may activate one or more advertisements for selection by the subscriber 1. Thus, the process is complete.

FIG. 3 is a flowchart of an embodiment of a subscriber setup process. To become a subscriber of the intermediary's communication subsidy program 13, in step 34, a source communication device 2 owner or subscriber 1 must first connect to the intermediary website 11. In step 36, the subscriber 1 set up a subscriber profile and qualifies for the subsidy program.

Alternatively, the subscriber 1 may be automatically enrolled in the subsidy program 13 as a result of a relationship with a service provider, such as a cell phone company contract, an existing service provided by an Internet service provider or by other communication service providers, or endorsers such as a product retailer who distributes branded communications devices that are limited to endorsing only their brand through approved subscribers. The subscriber profile includes information regarding the subscriber 1, for example, a name, an address, a device type, a serial number of the device, a phone number of the device, an IP Address of the device, basic demographic information of the subscriber 1, and a carrier calling program. Other characteristics of the service provider's program, such as available minutes and the subscriber's usage history may also be collected.

Once the subscriber's profile is set up, in step 38, the intermediary 9 analyzes the profile data and identifies advertisers 10 whose criteria for subsidy match the subscriber's criteria. For example, advertiser A offers static graphic media and video media and advertiser B offers only audio media. Based on the media type offered, the intermediary 9 qualifies those subscribers whose communication devices have the capability to accept static graphics, video, and/or audio. The intermediary 9 may also require the subscriber 1 to qualify for subsidy over a trial period of time in order to quantify and qualify the calling habits of subscriber 1. For example, the intermediary 9 may examine the usage history of subscribers and qualify only those subscribers who are communicating with others most frequently.

In step 40, a determination is then made by the intermediary 9 as to whether the subscriber qualifies for an advertiser's program. In step 42, if the subscriber 1 does not qualify, the subscriber 1 is notified that the subsidy setup process may not continue, and the process terminates. Alternatively, the subscriber 1 may be redirected to another subsidy program or given information on how to qualify in the future.

In step 44, if the subscriber 1 qualifies, the intermediary 9 presents all acceptable advertisers 10 and subsidy programs available, including the criteria for continued subsidy and levels of subsidy, to the subscriber 1. In step 46, the subscriber 1 or the intermediary 9 may select one or more advertisers 10 and/or subsidy programs containing multiple advertisers or advertisements for endorsement. The subsidy program 13 may include other random or targeted advertisement that the subscriber fails to select.

In step 47, a determination is made by the intermediary 9 as to whether the subscriber 1 has the capability to accept the advertisements for endorsement. In step 49, if the subscriber has the capability to accept the advertisements, the advertisements are downloaded to the subscriber 1. In step 48, if the 5 subscriber 1 does not have the capability to accept the advertisements, an intermediary's endorsement manger software 14 is downloaded to the subscriber's source communication device 2 followed by the advertiser's ads. The endorsement manager software 14 manages advertisements, formats communication transmissions with the advertisements, and records advertising impression history of the advertisement transmissions periodically. In step 50, once the endorsement manger software 14 and advertiser's advertisements are 15 downloaded, the endorsement manger software 14 communicates securely with the intermediary's host system and activates itself for use.

FIG. 4 is a flowchart of an embodiment of a communication process. The communication process begins, in step 52, when $_{20}$ a communication transmission is initiated by a subscriber 1. A communication transmission may include a cellular phone call, an instant message, a page, or a video conferencing session, and may be initiated using any source communication device 2. In step 54, the endorsement manger software 14 25 formats the transmission by inserting the appropriate advertiser's advertisement preceding and/or following the transmission. During the communication session, the endorsement manager software 14 records the impression status based on whether the advertisement was displayed, played, or 30 confirmed on the destination communication device 7.

In step 58, once the transmission is formatted, the endorsement manager software 14 sends the communication transmission to the communication destination 8. In step 64, when the communication transmission reaches the destination 35 communication device 7, the advertisement is displayed, played, or confirmed in the destination communication device 7. In step 66, at the end of the communication session, the recipient may click on the advertisement to link, via the Internet, to the advertiser's or another designated website for 40 additional information or further action. The link may direct the recipient to other offers, such as coupons, special offers that are unique to subscriber, or other related parties of the service. In addition to directing the recipient to other offers, advertisers 10 may transmit their own messages to the recipi- 45 ent any time during or after the communication process.

Optionally, in step 60, when the communication transmission is initially received by the destination communication device 7, a determination is made by a recipient of the destination communication device 7 as to whether to accept or 50 deny the transmission. In step 62, if a transmission is denied, the transmission is selectively ignored, and is stored in a voice mail or similar system for later retrieval. In step 64, if the transmission is accepted or is retrieved from voice mail or other storage system, the advertisement is displayed, played, 55 media is played or displayed to the subscriber 1, who is or confirmed in the destination communication device 7. The advertisement may be played, displayed or confirmed followed by, at the same time, or throughout the communication session. In step 66, at the end of the communication session, the recipient may click on the advertisement to link, via the 60 Internet, to the advertiser's or another designated website for additional information. The process then terminates.

FIG. 5 is a flowchart of an embodiment of a subscription maintenance process. Subscription maintenance includes collecting regular advertising impression data from the 65 consists of a request for endorsement and subsidy 608, as well endorsement management software of the subscribers, periodic processing of the impression data against subsidy plans

to facilitate distribution of subsidy amounts, changes to the subscriber's profiles, or program eligibility.

The process begins, in step 67, when a communication transmission is initiated by the subscriber 1. In step 68, the endorsement manager software 14 collects historical data from the subscriber, including successes and failures of advertising impression events. Examples of advertising impression events include the number of advertising impressions, the number of advertising media types that have reached and been accepted by the destination communication, the number of advertising impressions for a certain party, and the like. In step 70, the endorsement manager software 14 transmits this historical data to the intermediary's data warehouse for further processing. In step 72, the endorsement manager software automatically validates and updates current versions of advertiser's advertisements, and the endorsement manager software 14 updates itself, if necessary. The intermediary 9 may also periodically update the advertisements as the endorsement manager software 14 is busy communicating with the intermediary's data warehouse to "check in".

In step 74, upon receipt of the historical data, the intermediary website 11 processes the received historical data and compares the data against the subsidy programs for which they have qualified in step 40 in order to generate the subsidy amount for distribution. The subsidy amount may be in a form of discounts or other incentives. In step 76, if the intermediary 9 detects that the subsidy amount of a program is likely to change, the intermediary 9 sends a message to the subscriber 1 informing the subscriber 1 of a possible change or a need to update the subscriber profile. In step 78, the intermediary 9 generates reports to advertisers, service providers, and subscribers for review via the intermediary's website 11. Based on these reports, advertisers and subscribers may readjust their profile.

The system and method described above enables advertisers 10 to reach targeted audiences via mobile communications devices. The recipient of a communication transmission accepts the communication session initiated by a source communication device 2, because the session is identified as being initiated by a trusted or known entity. Upon acceptance, the advertising media is played or displayed to the recipient. The subscribers are given incentives to participate in this program, such as subsidies to their communication fees and/or other compelling incentives.

Other scenarios include communication sessions in which the subscriber 1 is a recipient of the communication session initiated by a non-subscriber. In this case, the endorsement manager software 14 in the destination communication device 7 may insert the advertising media into the communication session prior to enabling the communication between the subscriber 1 and the non-subscriber. The advertising credited to receive incentives based on this communication session.

FIG. 6 is a diagram showing communication between the subscriber, intermediary, and the endorsement companies (advertisers). The set of subscribers 600, 610 and 620 possess source devices 602, 612 and 622. Subscribers 600, 610 and 620 communicate in a similar manner and will be described using subscriber 600 as an example.

Subscriber 600 creates application 604. Application 604 as subscriber specific data 606. Subscriber specific data 606 is demographic data that relates to the subscriber's education,

employment, purchasing habits, interests, hobbies, affiliations or other data used to determine a target market for a

An endorsement company selected by the subscriber may provide an endorsement or endorsement tag (i.e. "advertiser 5 recommends subscriber"). Alternatively, the subscriber may offer to endorse the company (i.e. "subscriber recommends advertiser"). The endorsement may include an embedded company logo, color or link to an advertisement of a particular product. The product or advertisement that the link points 10 to is controlled by the advertiser and may be redirected by the intermediary. In the preferred embodiment, the intermediary serves as the hosting site for product or advertising data. In other embodiments, the intermediary and the hosting site may 15 be located at different machines

Subscriber 600 communicates with intermediary 640 through source device 602, network 650 and the intermediary's server 642. Subscriber 600 communicates with any of the set of endorsement companies 660 through source device 20 602, network 650 and set of endorsement companies' servers 662.

Intermediary 640 communicates with network 650 through intermediary's server 642. Additionally, list of endorsement companies 644, set of subscriber applications 647 and soft- 25 ware application for subscriber's devices 648 reside on intermediary's server 642.

List of endorsement companies 644 includes endorsement and subsidy opportunities 645 corresponding to specific endorsement companies. The list of endorsement companies 30 645 includes the nature of a company's products and an estimate of the amount of subsidy that may be provided or the cost to the subscriber for the company's endorsement. Endorsement and subsidy opportunities 645 include a set of desired demographic data 646. Desired demographics 646 35 relate to a target market that a company is trying to reach with its ad campaign and products.

Set of subscriber applications 647 are applications 604, 614, 624 that have been submitted to the intermediary via network 650 or otherwise entered into the intermediary's 40 server 642.

Endorsement manager software 648 is downloaded to source device 602, 612, 622 via network 650. As described earlier, endorsement manager software 648 allows subscribers 600, 610, 612 to accept and pass endorsements and adver- 45 tisements.

Set of endorsement companies 660 communicates with network 650 through set of endorsement companies' servers 662. Set of endorsement companies' servers 662 contains set of advertisements 664. Set of endorsement and subsidy 50 opportunities 666 are related to individual advertisements from the set of advertisements 664. The endorsement and subsidy opportunities 666 contain a set of desired audience demographic data 668 which relate to a target market selected by a company.

FIG. 7a describes the bi-directional endorsement process between the subscriber and the advertiser via the intermediary during the enrollment process. Subscriber 600, intermediary 640 and set of endorsement companies (advertisers) 660 represent "nodes" or "tiers" in a computer network. Each 60 node or tier may represent a communication device and the appropriate computer server and computer network connections to allow communication and passing data between subscriber 600, intermediary 640 and company 660. The nodes may also represent groups of machines in a network confir- 65 then notifies subscriber 600, at step 712. mation. The nodes do not reflect (nor require) a specific carrier or service provider for the source device.

At step 700, subscriber 600 contacts intermediary 640 through network 650 using source devices 602 and makes a subscription request including a request for endorsement. At this step, subscriber 600 selects one or more potential endorsers from list of endorsement companies 644. Subscriber 600 submits application 604, including the selected endorsement companies and subscriber demographic data, to intermediary 640. At step 701, an advertiser contacts intermediary 640. Advertiser 660 submits one or more sets of desired demographic criteria to intermediary 640.

At step 702, intermediary 640 correlates the subscriber data with the set of demographic data criteria of the advertiser. A correlation value is assigned by intermediary 640.

In the preferred embodiment, the correlation value is calculated as a match value or weighted percentage between the demographic criteria 646 and the subscriber demographic

Other correlation routines can be used to provide additional metrics to the subscriber and the advertiser related to the "match" of the subscriber demographic data with the advertiser criteria. For example, a multipoint questionnaire is provided to the subscriber including various categories during the subscription process. Questions include multiple choice questions. Answers to the multiple choice questions and each of the categories are assigned a weight. The combined weight is provided to the advertiser and to the subscriber as a correlation value.

In another embodiment, credit reports of the subscriber from third parties may be implemented to calculate a correlation value. Additionally, financial information related to the subscriber, such as credit history or financial status may be evaluated to arrive at a correlation value. At step 706, potential subscribers who score lower than the required correlation value are recommended for rejection.

Alternatively at step 702, advertiser 660 receives a set of subscriber data from intermediary 640. Advertiser 660 then correlates subscriber specific data 606 with desired audience demographic data 668 to derive a correlation value.

At step 704, a list of potential subscribers that meet a desired correlation value or that offer a sufficient payment by the subscriber for endorsement are forwarded to the appropriate advertiser 660.

Intermediary 640 notifies subscriber 600 of a rejection at step 707. If the subscriber is rejected, the rejection is recorded by the intermediary and the process stops.

At step 708, the advertiser decides whether to endorse a particular subscriber, based on the results of the correlation. The advertiser calculates the amount to subsidize or charge the subscriber for the endorsement. For example, subscriber 600 that achieves a high correlation value may receive a larger subsidy than the subscriber who achieves a low correlation value.

Provisions can be provided to allow the subscriber to purchase an endorsement from the advertiser. For example, a sliding scale may be applied to calculate a price for the subscriber to pay based on a correlation value. A floor function can also be applied below which no endorsement will be provided by the advertiser of the subscriber.

If a sufficient correlation value is achieved or the subscriber purchases an endorsement, the subscriber is deemed a "qualified" subscriber. At step 710, the advertiser notifies intermediary 640 of the endorsement and subsidy opportunities for which the subscriber has been qualified. Intermediary 640

At step 714, subscriber 600 must examine the endorsement and subsidy opportunities. At step 716, subscriber 600

chooses at least one plan and advertiser for endorsement and notifies intermediary 640. At this point, bi-lateral endorsement is complete.

At step 718, intermediary 640 interrogates source device 602 regarding its ability to perform the requirements of the 5 endorsement plan. For example, source device 602 may not be capable of sending an endorsement with an embedded link or may not be capable of handling large graphics files.

At step 720, depending on device capabilities, intermediary 640 sends the compressed endorsement manager software 10 and the endorsement selected by subscriber 600 to source device 602 held by subscriber 600. In the preferred embodiment, the endorsement manager is software that manages the endorsement and history related to the endorsement. The endorsement manager software is sent, along with a set of 15 links to various advertisements, endorsement tags and graphics files. The endorsement manager software is then decompressed and installed on the source device.

At step 722, the advertiser is notified of endorsement and subsidy opportunities selected by subscriber 600. The 20 selected opportunities are implemented by the advertiser in step 724.

The bi-directional selection process allows the subscriber to select endorsers that appeal to him. The advertiser then determines if the subscriber is qualified based on a correlation 25 between the subscriber's demographics and those desired by the advertiser. The subscriber's contacts presumably share some, if not all, of the subscriber's demographics and interests. Therefore, the contacts provide a select market and value to the advertiser, while requiring only a single demographic 30 comparison. This allows an advertiser to focus its endorsements on favorable target markets without having to qualify each possible customer or examine demographics of a large number of potentially bad prospects.

historical data. Subscriber 600 initiates a communication with contact 760 in step 790. At steps 792 and 794, the endorsement manager software inserts and sends an endorsement and embedded link in the communication. The destination device accepts the communication and embedded link 40 and sends a response to the source device in steps 796 and 798. The source device records the historical data in step 797.

FIG. 7c describes the data flow required for subsidy collection. At step 750, the intermediary receives history data from the subscriber 600 reflecting a communication with 45 contact 760, such as a phone can where an imbedded link has been sent in an endorsement message. At step 762, contact 760 follows the link embedded in the endorsement to the advertisement data hosted by intermediary 640. Intermediary 640 monitors historical data including the number of endorse- 50 ments sent by subscriber 600 and the number of recipients contacted by subscriber 600 that use the embedded link to view the advertisement from the set of advertisements 664. Individual contacts are identified by a unique identifier embedded in each endorsement sent by subscriber 600 to 55 contact 760. At step 766, the unique identifier is decoded by the intermediary site 640, allowing identification of the contact 760 responding to the endorsement. At step 751, the intermediary calculates the subsidy and analyzes the subscriber history data and contact interaction history.

The endorsement and the embedded link may be altered in response to various stimuli. For example, a random function may be provided in the software to change the endorsement and/or embedded link resulting in random changes. In another example, the endorsement and/or embedded link may 65 ment information may be collected. Identification of music be changed to reflect a different product of the company at different times of day. Additionally, when the embedded link

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is activated additional information may be sent from the destination device, such that the geographical location of the destination device is known. Intermediary site 640 may redirect the embedded link to a new advertisement based on geographical, time, data or previous responses by the destination device. Intermediary site 640 determines the geographical location of the device by determining which cellular tower is carrying the response from the destination device or by information supplied by the destination device, such as GPS coordinates. The endorsement and embedded link can also be configured to respond to specialized applications or "apps" resident on the source device to reflect changing conditions dictated by the app. For example, an application maybe capable of reflecting ringtone changes and/or music preference changes. In these applications listening habits and cell phone configurations for various lighting displays can supply information to trigger predetermined variations in the endorsement or embedded link.

For example, if the embedded link were to a national restaurant chain, intermediary site 640 may redirect it to an advertisement for the nearest restaurant. Intermediary site 640 may contain the hours of operation of the restaurants and direct the link to an advertisement for the nearest open restaurant. If no restaurants are open within a predetermined range, intermediary site 640 may select an alternative advertisement. Intermediary site 640 may also store data regarding previous interaction from the destination device and redirect the link accordingly. For example, a savings offer may be limited to one per device, such that intermediary site 640 redirects the destination device to a different link if an offer has been previously accepted. Alternately, a source device may receive additional benefits, such as coupons, for frequently following the link embedded within an endorsement.

Referring briefly to FIG. 9, in an alternate embodiment, FIG. 7b describes a communication and the recording of 3s historical data regarding interaction of contact 760 with the embedded link may be stored on the source device as previously described. Alternatively, the endorsement sent to the contact from the source device contains a hash of three separate codes. Endorsement code 900 identifies the endorsement sent to the contact. Source code 910 identifies the source device that sent the endorsement. Contact code 920 identifies the contact that received the message. The endorsement manager software residing on the source device creates a unique identifier 930 for each endorsement sent and includes the unique identifier 930 in the link embedded in the endorsement. The unique identifier 930 is created by combining several separate codes together in any one of many encryption routines (known in the art as "hashing") to form a code that is unique for each endorsement sent by a subscriber. Source code 910 and contact code 920 may be created based on device serial number, phone number or other numbers unique to the device. Other codes, including the date code 922 and geographic location 924 of the source device may be combined as well to create unique identifier 930. Endorsement code 900 is included in the endorsement when it is downloaded by the subscriber.

In other embodiments, the identity of the contacts, the duration of the message and communication, the scheduling of advertisements to view and the length of time that the contacts browser is focused on the advertisement are recorded. Additional information collected can include links navigated to, before and after, viewing the advertisement can be recorded. In certain cases, identification of contacts recognized by the recipient can be logged. Purchase and payfiles, licenses and picture files may be collected. Call log information may be collected. Data reflecting prior approval

as a qualified subscriber, and use of the system by the recipient may also be collected. Data reflecting network information such as packet count and packet size may be collected. Data reflecting location information via a GPS transponder may be collected. The analysis may include grouping data 5 with other similar data from other subscribers to develop buying trends, demographic profiles and purchase information. Analysis of customer location and dwell times at various websites and "brick and mortar" stores may be analyzed. A 751.

Continuing with FIG. 7c, at step 726, a report, showing the analysis and subsidy due, is sent to the advertiser by intermediary 640. At step 728, the advertiser may verify the calculations of the intermediary submitted in the report or modify the 15 subsidy recommended. At step 729, advertiser 660 may request additional information and analysis from the intermediary. In-turn, the intermediary supplies additional reports via step 726. At step 730, the calculated subsidy is implemented. This may be a payment to a subscriber 600, or transmission of 20 a bill owed by subscriber 600 for use of the endorsement to the subscriber. Of course, other means of implementing a subsidy, such as electronic funds transfer or generation of prepaid credit cards or vouchers may also be employed. Payment to the intermediary is made by the advertiser at step 731.

Referring again to FIG. 7a, in an alternate embodiment, subscriber 600 includes a first minimum amount he is willing to accept for the endorsement of a particular advertiser in with the request for endorsement at step 700. A second (larger) minimum amount is relayed to the company at step 704. If the 30 company agrees to the second minimum amount in step 710, subscriber 600 is immediately enrolled in the selected endorsement and subsidy opportunities 645. This embodiment bypasses steps 712 and 716. The minimum first amount subscriber 600 is willing to accept is (typically) not provided 35 to the advertiser by intermediary 640. The difference between the first minimum amount and the second minimum amount is retained by intermediary 640 as payment for its services.

Returning to FIG. 6, in an additional alternative embodiment, a subscriber representative 630 may assume a proxy 40 arrangement for subscribers 600, 610 and 620. In a proxy arrangement subscriber representative 630 acts on behalf of a group of subscribers that share similar demographic features. A proxy arrangement can be organized to reduce the cost of using the system by individual subscribers by pooling and 45 offering endorsements through all the subscribers source devices 602, 612, 622 that are included in the proxy. In this instance, an endorsement may be changed to also include an endorsement by the subscriber representative

In another embodiment, an advertiser offers additional 50 subsidies or bids against another advertiser for preferred treatment. This preferred treatment includes more frequent insertion of one advertiser's endorsements over any others, particular days or time of day for endorsements, particular geographic locations, and endorsements sent to particular 55 contacts of the subscriber. For example, an advertiser may endorse subscribers who are fans of a particular sport immediately before, during or after a particular game. Also, an advertiser may endorse a subscriber who calls a contact that has responded to a message in the past. A contact who has 60 an advertiser to a source communication device possessed by responded in the past may be identified by a phone number, an IP address or similar information that is transferred when the contact responds to the endorsement.

FIG. 8 describes the de-enrollment process. At step 800, intermediary 640 monitors various aspects of subscriber 600 65 communication device, and the recipient having a relationand source device 602. Among other things, intermediary 640 may monitor credit history, source device usage, device acti-

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vation, responses from contacts and expiration of or changes to the current endorsement plan. At step 802, intermediary 640 warns subscriber 600 of a status change that could result in a change to the endorsement plan. Subscriber 600 responds to the warning at step 804. At step 806, the intermediary notifies advertiser 660 that subscriber 600 may no longer qualify for the current endorsement plan.

At step 808, advertiser 660 determines if subscriber 600 is still a qualified subscriber. Alternatively, advertiser 660 may fee may be calculated and assessed by the intermediary at step 10 decide to allow subscriber 600 time to cure any deficiencies in qualified subscriber status while allowing subscriber 600 to remain on the endorsement plan.

> At step 810, advertiser 660 sends a deactivation notice to intermediary 640. At step 812, intermediary 640 then deactivates subscriber 600 and removes source device 602 from the endorsement plan.

An embodiment of the present disclosure can take the form of an entirely hardware embodiment, an entirely software embodiment, or an embodiment containing both hardware and software elements. For example, one of the previously described embodiments may be implemented in software, which includes but is not limited to firmware, resident software, microcode, etc. In addition, various steps of the above processes may be performed in another order, split into addi-25 tional steps, or combined into a single step. Steps may also be removed and or added to any of the above processes.

Furthermore, the present disclosure can take the form of a computer program product accessible from a tangible computer-usable or computer-readable medium providing program code for use by or in connection with a computer or any instruction execution system. For the purposes of this description, a tangible computer-usable or computer-readable medium can be any apparatus that can contain, store, communicate, propagate, or transport the program for use by or in connection with the instruction execution system, apparatus, or device. The medium can be an electronic, magnetic, optical, electromagnetic, infrared, or semiconductor system (or apparatus or device), or a propagation medium. Examples of a computer-readable medium include a semiconductor or solid state memory, magnetic tape, a removable computer diskette, a random access memory (RAM), a read-only memory (ROM), a rigid magnetic disk and an optical disk. Current examples of optical disks include compact disk-read only memory (CD-ROM), compact disk-read/write (CD-R/ W) and digital video disc (DVD).

Although embodiments of the present disclosure have been described in detail, those skilled in the art should understand that they may make various changes, substitutions and alterations herein without departing from the spirit and scope of the present disclosure. Accordingly, all such changes, substitutions and alterations are intended to be included within the scope of the present disclosure as defined in the following claims. In the claims, means-plus-function clauses are intended to cover the structures described herein as performing the recited function and not only structural equivalents, but also equivalent structures.

The invention claimed is:

1. A method for providing access to an advertisement from a subscriber and distributing the access to the advertisement from the source communication device to a destination communication device possessed by a recipient, wherein the destination communication device is compatible with the source ship to the subscriber, the method being executed by a processor, and comprising the steps of:

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comparing a desired demographic profile to a subscriber demographic profile to derive a match;

establishing a bi-lateral endorsement between the subscriber and the advertiser;

providing a subsidy program to the subscriber based on the match;

sending a token related to the advertisement to the source communication device;

sending, to the source communication device, information that can be used to initiate a communication session between the source communication device and the destination communication device and to transmit a message, including the token, from the source communication device to the destination communication device contemporaneously with the communication session; and,

recognizing a subsidy, according to the subsidy program, for the subscriber after a termination of the communication session.

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- 2. The method of claim 1, wherein the step of sending information further comprises the step of transmitting the token from the source communication device to the destination communication device.
- 3. The method of claim 1, wherein the step of comparing the desired demographic profile further comprises the step of creating the demographic profile according to a set of advertiser criteria.
- 4. The method of claim 1, wherein the step of providing a subsidy program further comprises the step of relating the subsidy to one of the group of a product discount, a reward, and a mitigation of expenses.
- 5. The method of claim 1, wherein the step of recognizing a subsidy includes the further step of basing the subsidy on an acknowledgement by the destination communication device of the receipt of the token.

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