IN THE UNITED STATES DISTRICT COURT
FOR THE EASTERN DISTRICT OF TEXAS
MARSHALL DIVISION

SOVERAIN IP, LLC, ***Plaintiff,*** v. **EXPERIAN INFORMATION SOLUTIONS, INC.** ***Defendant.***	**Civil Action No._____** **JURY TRIAL DEMANDED**

COMPLAINT FOR PATENT INFRINGEMENT

Plaintiff Soverain IP, LLC ("Soverain" or "Plaintiff"), by and through its attorneys, brings this action and makes the following allegations of patent infringement relating to U.S. Patent Nos.: 7,191,447 ("the '447 patent"); 8,606,900 ("the '900 patent"); and 6,279,112 ("the '112 patent") (collectively, the "patents-in-suit" or the "Soverain Patents"). Defendant Experian Information Solutions, Inc. ("Experian" or "Defendant") infringes each of the patents-in-suit in violation of the patent laws of the United States of America, 35 U.S.C. § 1 *et seq*.

INTRODUCTION

1. This case arises from Experian's infringement of Soverain's data extraction and network management patent portfolio. Soverain is the owner by assignment and exclusive licensee to twenty-four issued United States patents, multiple pending patent applications,[1] and numerous foreign patent assets.[2]

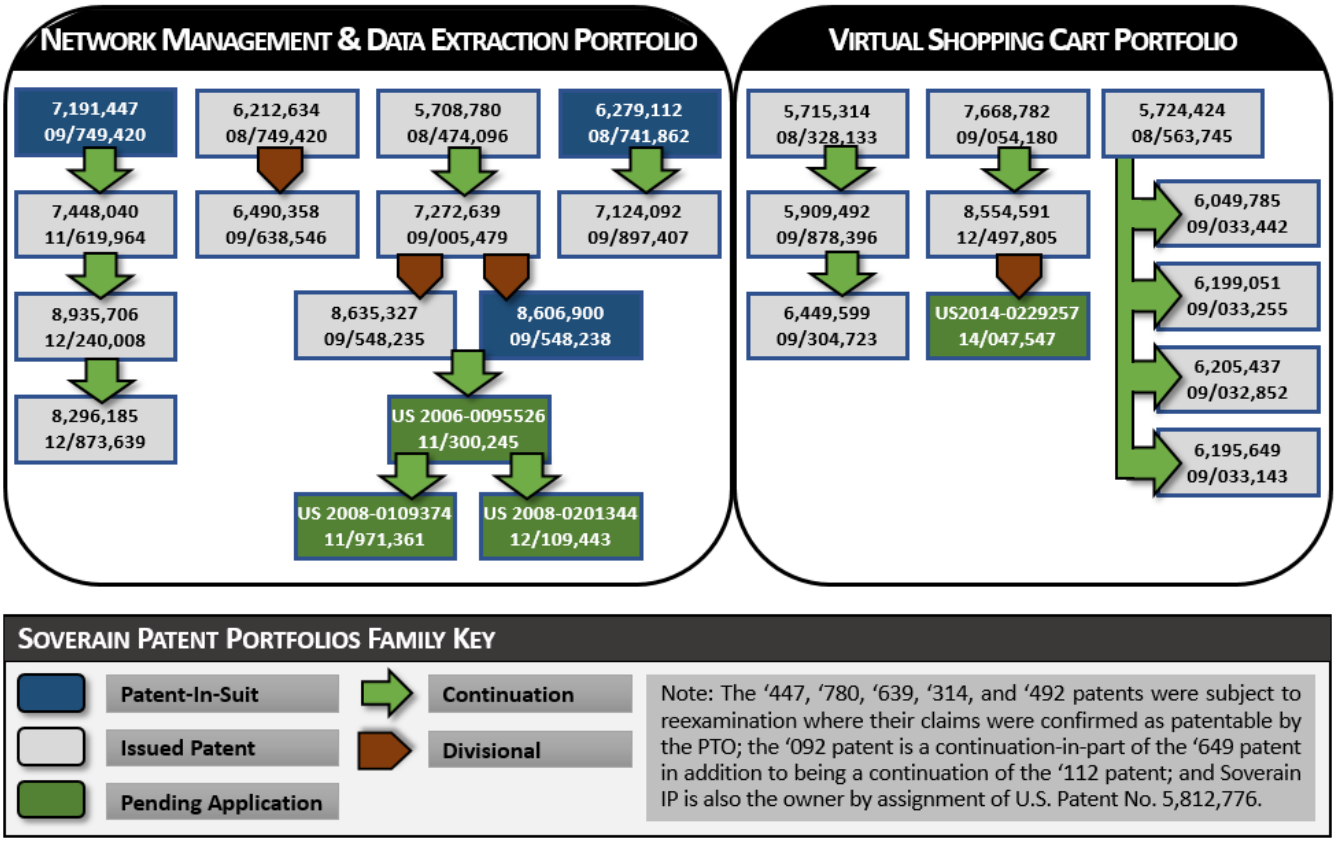
2. The patents asserted in this case arose from the innovative work of Open Market, Inc. ("Open Market"), an innovative tech firm that in 1993 developed groundbreaking technologies for the then-nascent Internet. Open Market was founded at a time when conducting commercial transactions over the Internet was in its beginning stages. Previous uses of the Internet had largely been limited to academic research and military defense work.

[1] *See* U.S. Patent App. Nos. 11/300,245; 11/971,361; 12/109,443; 14/047,547.

[2] *See e.g.*, JP 4485548, JP 3762882B2, EP 0803105B1, DE 69633564T2.

3. Professor David K. Gifford of the Massachusetts Institute of Technology, co-founder of Open Market, and inventor of fourteen of the Soverain patents, recognized the potential of enabling secure transactions over computer networks. Professor Gifford and other Open Market employees raced against other companies to bring one of the first secure transaction management systems to market. With the technology developed, Open Market filed for the patents that would comprise the two Soverain Patent Portfolios.

4. Open Market's groundbreaking inventions led to the issuance of patents that comprise two technology portfolios: (1) the virtual shopping cart portfolio and (2) the network management and data extraction portfolio. The below diagram shows Soverain's patents, pending patent applications, and the Soverain patents Experian infringes.



5. Patents assigned to Experian have cited patents held by Soverain as relevant prior art. These patents include:

- United States Patent No. 8,744,956 assigned to Experian and entitled "Systems and methods for permission arbitrated transaction services."
- United States Patent No. 8,931,058 assigned to Experian and entitled "Systems and methods for permission arbitrated transaction services."
- United States Patent No. 9,147,042 assigned to Experian and entitled "Systems and methods for data verification."
- United States Patent No. 6,144,988 assigned to Experian and entitled "Computer system and method for securely formatting and mapping data for internet web sites."
- United States Patent No. 7,996,521 assigned to Experian and entitled "Service for mapping IP addresses to user segments."
- United States Patent No. 8,533,322 assigned to Experian and entitled "Service for associating network users with profiles."
- United States Patent No. 9,058,340 assigned to Experian and entitled "Service for associating network users with profiles."

SOVERAIN'S LANDMARK DATA EXTRACTION AND NETWORK TECHNOLOGIES

6. Open Market's flagship Internet transaction product, the Open Market Transact system ("Transact") offered a full suite of software technologies, including content management, authorization protocols, and customer relationship management. Transact contained functionality for separating the management of transactions from the management of content, allowing companies to manage transactions securely and centrally using content located on multiple distributed Web servers.

7. In 1995, Open Market began commercial shipment of Transact.[3] Transact was quickly embraced by the market, and its early customers included: Novell,[4] Sprint,[5] Disney,[6]

[3] Ellis Booker, *Internet Security Boosted*, COMPUTERWORLD at 14 (April 17, 1995) ("Last month, Open Market became the first vendor to release a Web server that supports both SHT'I'P and SSL.").

[4] Jessica Davis, *Novell, Open Market Ink Deal*, INFOWORLD at 6 (March 25, 1996) ("Novell has licensed OM-SecureLink commerce server software for the Internet, and plans to integrate OM-SecureLink with Novell's Web server by the third quarter.").

AT&T,[7] and Hewlett-Packard.[8] In March of 1996, the New York Times described Open Market's transaction management products as being adopted by Time Warner, Banc One, and First Union.

> Open Market will be competing with Netscape's I-Store and Merchant Server of Microsoft. Besides Time Warner, Open Market has signed several big customers including Banc One, First Union Bank, Hewlett-Packard, Digital Equipment and Bloomberg, the financial publisher. Time Warner has been offering electronic versions of Time, People, Sports Illustrated, Money and other publications free on its Pathfinder Web site.[9]

8. By the late 1990s, Transact was an established market leader in e-commerce technology, commanding dominant market share of the transactional software market against companies like Microsoft and IBM.[10]

9. The following collection of news articles shows some of the headlines that Open Market's Transact product garnered in the computer industry press from 1996 to 2000.

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[5] *Sprint Chooses Open Market's Transact as Key Offering of its E-Commerce Services*, PRESS RELEASE (September 27, 2000) ("Sprint will host Transact and offer its functionality as a service for these enterprise sites.").

[6] Eric Nee, *Surf's Up*, FORBES ONLINE (July 27, 1998), available at: https://www.forbes.com/forbes/1998/0727/6202106a.html ("Today Open Market is a leading supplier of Internet commerce software. More than 1,000 Web sites use Open Market software to transact business. Its clients include Disney, which sells on the Internet everything you can buy in one of its shopping mall stores, and Analog Devices, which allows engineers to find and order examples of integrated circuits on its Web site.").

[7] Jeff Symoens, *Transact 3.0: Scalable Solution*, INFOWORLD at 68 (September 8, 1997) ("AT&T is using Transact as part of SecureBuy, a service that gives merchants the infrastructure to run an electronic store on the internet.").

[8] *HP And Open Market Offer Mission-Critical E-Commerce Services*, HP OPEN MARKET PRESS RELEASE (November 18, 1998) ("Open Market is the first member of HP`s Domain Commerce alliance program to integrate HP`s MC/ServiceGuard with its products.").

[9] Glenn Rifkin, *Open Market Hopes It'll be Next Netscape*, N.Y. TIMES (March 4, 1996).

[10] Eric Nee, *Surf's Up*, FORBES ONLINE (July 27, 1998); *3 Big New Customers for Open Market, Inc.*, N.Y. TIMES (April 24, 1995) ("Open Market Inc. will announce today that three major media companies will use its software and services to provide content and conduct business on the Internet. A privately held company based in Cambridge, Mass., Open Market said it had signed agreements to provide technology to the Tribune Company, Advance Publications and the Time Inc. unit of Time Warner.").


FROM THE EDITOR IN CHIEF · SANDY REED
First-ever review of I-commerce system right for new section debut
Open Market aids Web site upkeep
By Kim S. Nash
INTERNET & I-COMMERCE
Open Market adds object support to I-commerce product
INTERNET WORLD '9
Open Market upgrade will support big business on 'net
By Mitch Wagner
News
Open Market to liven up Web-based publishing
New Windows NT document management software extends copyrighted content to the Internet and intranets.
News
Open Market to debut e-comm tools
BY ELLEN MESSMER
E-commerce product push

Sandy Reed, *First-Ever Review of I-commerce System Right For New Section Debut*, INFOWORLD at 73 (September 8, 1997); Matthew Nelson, *Open Market adds Object Support to I-commerce Product*, INFOWORLD at 58 (February 16, 1998.); Ellen Messmer, *Open Market to Liven Up Web-Based Publishing*, NETWORK WORLD at 16 (November 9, 1998); Mitch Wagner, *Open market Upgrade Will Support Big Business On 'Net*, COMPUTERWORLD at 8 (December 9, 1996); Ellen Messmer, *Open Market to Debut e-Comm Tools*, NETWORK WORLD at 12 (March 27, 2000); Kim Nash, *Open Market Aids Web Site Upkeep*, COMPUTERWORLD at 12 (March 11, 1996).

10. The inventors of the Soverain Patents include Open Market's founders and engineers. The inventors of the Soverain Patents comprise:

11. Professor David K. Gifford is a professor of electrical engineering and computer science at the Massachusetts Institute of Technology ("MIT") and co-founder of Open Market. Mr. Gifford has been a member of the MIT faculty since 1982 and leads the Programming Systems Research Group at the MIT Laboratory for Computer Science. Professor Gifford is a named inventor on fourteen of Soverain's issued patents.[11]

[11] *See* U.S. Patent Nos. 4,845,658; 5,812,776; 5,724,424; 6,279,112; 6,205,437; 6,195,649; 6,199,051; 6,049,785; 7,191,447; 7,124,092; 7,448,040; 8,935,706; 8,554,591; and 8,286,185.

12. Professor Gifford is the author of over one hundred journal articles and his research areas focus on programming language development; information discovery, retrieval, and distribution; and computation using biological substrates. Professor Gifford earned his S.B. in 1976 from MIT and his M.S. and Ph.D. in electrical engineering from Stanford.

13. Professor Gifford was elected as a fellow by the Association for Computing Machinery, for "contributions to distributed systems, e-commerce and content distribution."[12]

14. Dr. Lawrence Stewart was Open Market's Chief Technology Officer. Dr. Stewart is the co-inventor of nine of Soverain's patents.[13] Dr. Stewart previously held positions at Xerox Palo Alto Research Center ("PARC") and Digital Equipment Corporation. Recently, when writing about his role as a co-inventor of Soverain's patents, Dr. Stewart described the intellectual effort behind the inventions.

> The relevant source code of the Open Marketplace system as of October 1994 was included with the patent application for anyone to read – over 50 printed pages of code. In other words, ***Open Market showed that these inventions weren't just a theory but an actual working system.*** Open Market submitted the source code to the Patent Office on microfiche since there was no way to submit machine readable appendices back in 1994.[14]

Dr. Stewart received an S.B. in Electrical Engineering from MIT in 1976, followed by M.S. and Ph.D. degrees from Stanford University in 1977 and 1981, respectively. Dr. Stewart is also the author (with fellow Soverain patent inventor Winfield Treese) of the computer science textbook, *Designing Systems for Internet Commerce* (Addison-Wesley, 2002).

15. Dr. John R. Ellis was Open Market's Architect and Technical Lead. Dr. Ellis subsequently was the Senior Vice President of Engineering at AltaVista Internet and has held

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[12] *Gifford Named ACM Fellow*, MIT COMPUTER SCIENCE AND ARTIFICIAL INTELLIGENCE LABORATORY NEWS (December 13, 2011), available at: https://www.csail.mit.edu/node/1651.

[13] *See* U.S. Patent Nos. 7,272,639; 6,449,599; 8,635,327; 8,606,900; 8,554,591; 5,715,314; 5,708,780; 5,909,492; and 7,668,782.

[14] Lawrence Steward, *The CAFC Got It Wrong in Soverain v. Newegg*, IPWATCHDOG.COM WEBSITE (December 30, 2013), available at: http://www.ipwatchdog.com/2013/12/30/the-cafc-got-it-wrong/id=47141/ (emphasis added).

positions at Xerox PARC and Amazon.com. Dr. Ellis is a named inventor of four Soverain patents.[15] Dr. Ellis holds a Ph.D. from Yale University and BSE from Princeton University.

16. Dr. Daniel Earl Geer, Jr. served as Director of, Engineering at Open Market and named inventor of two Soverain Patents.[16] Dr. Geer was the former President of USENIX, the advanced computing systems association and served as Chief Scientist at Verdasys, Inc. and Digital Guardian, Inc. Dr. Geer holds degrees from Harvard University and MIT.

17. Winfield Treese was previously the Associate Director of the Hariri Institute for Computing at Boston University. Mr. Treese served as Open Market's Vice President of Technology where he was responsible for the security architecture of Open Market's products. Mr. Treese is a named inventor of eight Soverain patents.[17] Mr. Treese was the chair of the Transport Layer Security (TLS) Working Group of the Internet Engineering Task Force (IETF), the Internet standard successor to SSL. Mr. Treese also chaired the 8th USENIX Security Symposium. Mr. Treese is the co-author of the book *Designing Systems for Internet Commerce* (Addison-Wesley, 2002).

SOVERAIN'S TRANSACT SYSTEM

18. From 1996 through 2000, Open Market's product, Transact, was a leader in the e-commerce field, holding the majority of the global market for transaction management systems.[18] When the first Soverain patents issued in 1998, Open Market was hailed for its "secure, robust, distributed architecture." Jeff Symoens, *Transact 3.0: Scalable Solution*, INFOWORLD at 63 (September 8, 1998). Gary Eichorn, chief executive officer of Open Market, stated that Open Market was selling its "transaction engine to telecommunications companies,

[15] *See* U.S. Patent Nos. 7,448,040; 8,935,706; 8,286,185; and 7,191,447.

[16] *See* U.S. Patent Nos. 6,490,358 and 6,212,634.

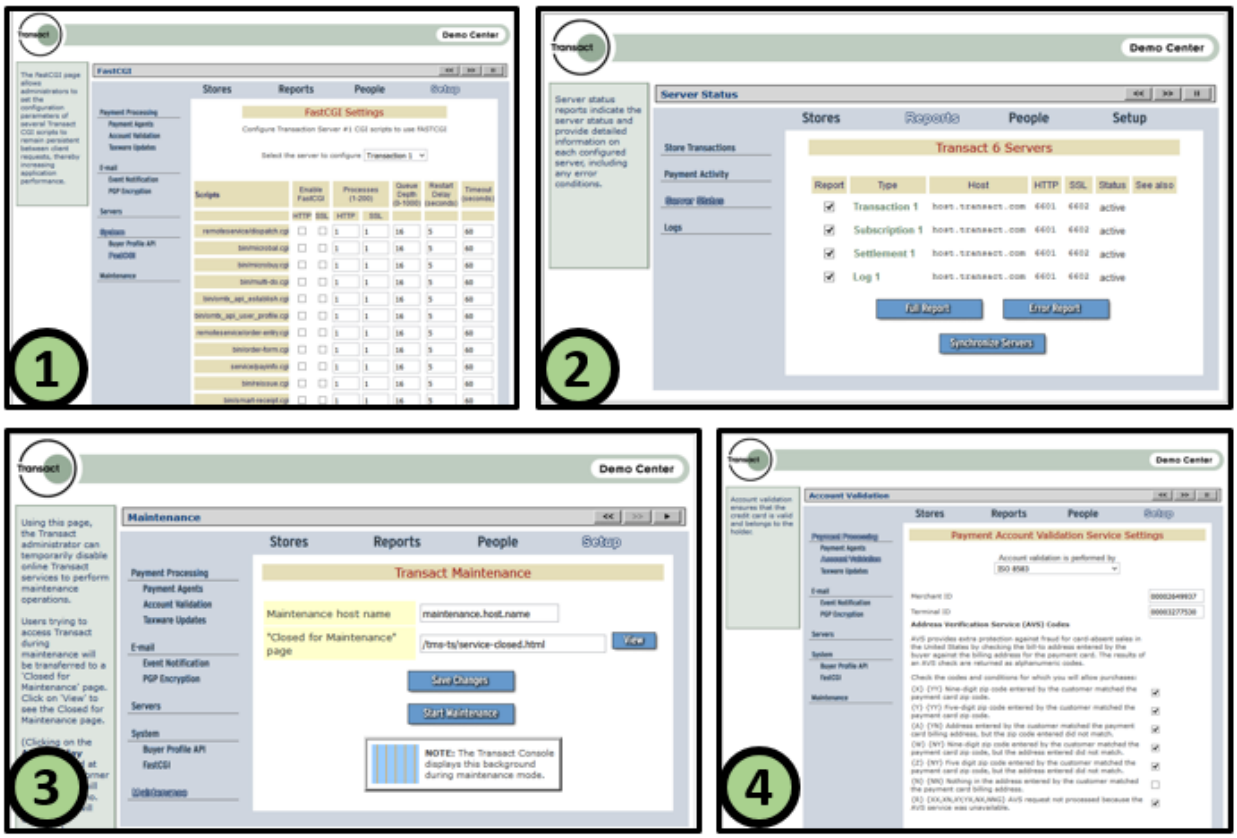
[17] *See* U.S. Patent Nos. 7,448,040; 8,935,706; 8,286,185; 5,708,780; 7,272,639; 8,635,327; 8,606,900; and 7,191,447.

[18] *Investors Bid Up Internet Stock*, N.Y. TIMES (May 24, 1996) (In May 1996, Open Market made an initial public offering valuing the company at $1.2 billion.).

banks and Internet service providers. They're then offering commerce services to smaller companies." HOTSEAT: GARY EICHORN, CEO OF OPEN MARKET, DESCRIBES HOW TRANSACTIONS WILL HIT THE WEB, InfoWorld at 47 (March 17, 1997).

19. Transact provided an end-to-end solution for secure transaction management over the Internet. Transact included the following components: (1) a transaction server for managing orders, (2) a subscription server for security and authentication by managing access to digital content, (3) a log server for secure management of log entries, and (4) a settlement server for managing the authorization of transactions. A review of Transact in InfoWorld magazine stated, "if you're comfortable with Transact's $125,000 opening price tag, it offers an exceptional architecture and a strong feature set that will handle back-end transaction processing." Jeff Symoens, *Transact 3.0: Scalable Solution*, INFOWORLD at 63 (September 8, 1998).

20. The following images of Soverain's Transact product show: (1) FastCGI configuration screen for keeping application processes running between requests (unlike CGI the system did not require extra overhead by requiring the system start a new process and initializing an application each time a request is made on the system); (2) a server status screen for monitoring the status of multiple hosts running Transact; (3) a maintenance screen for managing system maintenance; and (4) an account validation service setting screen for managing transaction security and authentication.



A COLLECTION OF IMAGES OF THE OPEN MARKET TRANSACTION SYSTEM (the numbered annotations correspond to the (1) FastCGI settings, (2) server status screen, (3) Transact maintenance settings, and (4) account validation settings).

21. As the 2000s approached, larger technology companies entered the transaction management field; the dot-com bubble then burst.[19] As a result, Open Market went through a restructuring and was purchased by Divine interVentures, Inc. ("Divine") for approximately $70 million in 2001.[20] As a result of the purchase, Divine acquired Open Market's patent portfolio and its Transact software product.

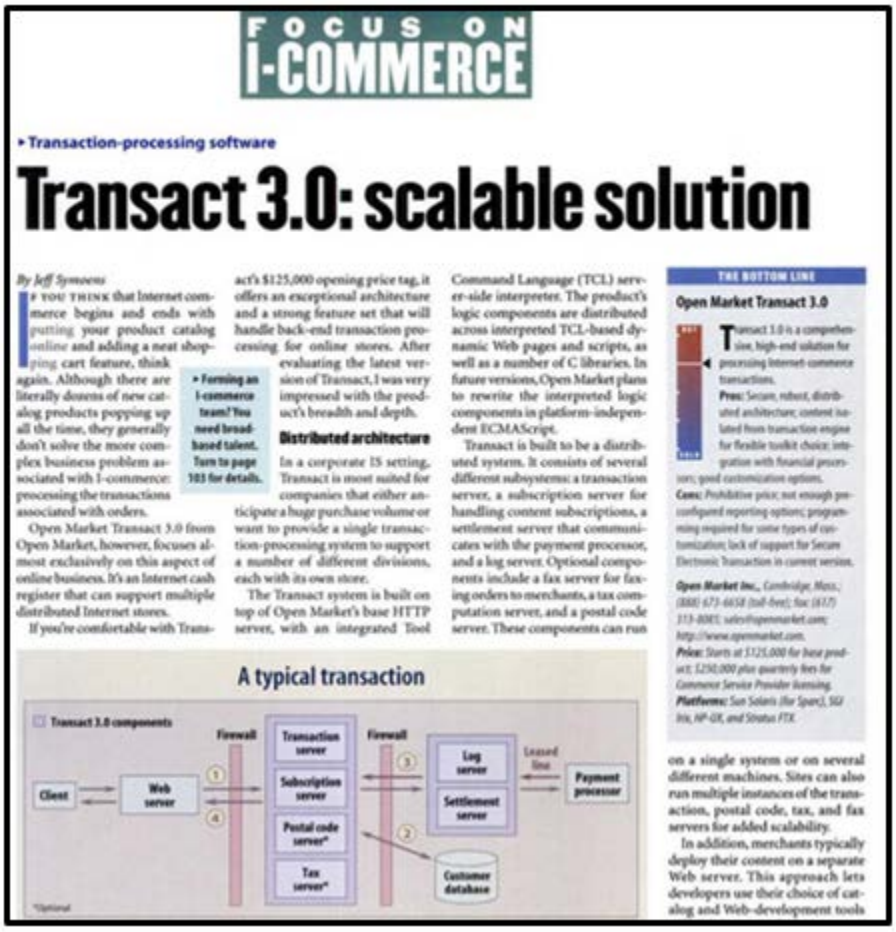
22. Divine was a venture capital investment company founded in May 1999. Divine focused on "professional services, Web-based technology, and managed services." *Id.* At its

[19] *See* Editorial, *The Dot-Com Bubble Bursts*, N.Y. TIMES, Dec. 24, 2000, at WK8 (describing the aftermath of the dot-com bubble bursting).

[20] *Divine to Buy Open Market*, NETWORK WORLD at 8 (August 20, 2001) ("Professional services and software company Divine last week agree to buy struggling Open Market in a stock deal work about $59 million.").

peak, Divine employed approximately 3,000 people in more than 20 locations worldwide and offered approximately 50 software products.

23. In 2003, Transact was acquired by Soverain Software. Soverain Software also acquired the patents from the original Open Market inventors and innovators.



FOCUS ON I-COMMERCE

▸ Transaction-processing software

Transact 3.0: scalable solution

By Jeff Symoens

IF YOU THINK that Internet commerce begins and ends with putting your product catalog online and adding a neat shopping cart feature, think again. Although there are literally dozens of new catalog products popping up all the time, they generally don't solve the more complex business problem associated with I-commerce: processing the transactions associated with orders.

Open Market Transact 3.0 from Open Market, however, focuses almost exclusively on this aspect of online business. It's an Internet cash register that can support multiple distributed Internet stores.

If you're comfortable with Transact's $125,000 opening price tag, it offers an exceptional architecture and a strong feature set that will handle back-end transaction processing for online stores. After evaluating the latest version of Transact, I was very impressed with the product's breadth and depth.

▸ Forming an I-commerce team? You need broad-based talent. Turn to page 103 for details.

Distributed architecture

In a corporate IS setting, Transact is most suited for companies that either anticipate a huge purchase volume or want to provide a single transaction-processing system to support a number of different divisions, each with its own store.

The Transact system is built on top of Open Market's base HTTP server, with an integrated Tool Command Language (TCL) server-side interpreter. The product's logic components are distributed across interpreted TCL-based dynamic Web pages and scripts, as well as a number of C libraries. In future versions, Open Market plans to rewrite the interpreted logic components in platform-independent ECMAScript.

Transact is built to be a distributed system. It consists of several different subsystems: a transaction server, a subscription server for handling content subscriptions, a settlement server that communicates with the payment processor, and a log server. Optional components include a fax server for faxing orders to merchants, a tax computation server, and a postal code server. These components can run on a single system or on several different machines. Sites can also run multiple instances of the transaction, postal code, tax, and fax servers for added scalability.

In addition, merchants typically deploy their content on a separate Web server. This approach lets developers use their choice of catalog and Web-development tools

THE BOTTOM LINE

Open Market Transact 3.0

Transact 3.0 is a comprehensive, high-end solution for processing Internet-commerce transactions.

Pros: Secure, robust, distributed architecture; content isolated from transaction engine for flexible toolkit choice; integration with financial processors; good customization options.

Cons: Prohibitive price; not enough preconfigured reporting options; programming required for some types of customization; lack of support for Secure Electronic Transaction in current version.

Open Market Inc., Cambridge, Mass.; (888) 673-6658 (toll-free); fax (617) 373-8001; sales@openmarket.com; http://www.openmarket.com.

Price: Starts at $125,000 for base product; $250,000 plus quarterly fees for Commerce Service Provider licensing.

Platforms: Sun Solaris (for Sparc), SGI Irix, HP-UX, and Stratus FTX.

A typical transaction

Jeff Symoens, *Transact 3.0: Scalable Solution*, INFOWORLD at 63 (September 8, 1998) ("Transact 3.0 is a comprehensive, high-end solution for processing Internet-commerce transactions. Pros: Secure, robust, distributed architecture.").

SOVERAIN'S PATENT PORTFOLIO

24. Soverain's patents and published patent applications have been cited in over 6,000 issued United States patents and published patent applications as prior art before the United States Patent and Trademark Office.[21] Companies whose patents and patent applications cite the

[21] The over 6,000 forward citations to the Soverain Patents do not include patent applications that were abandoned prior to publication in the face of the Soverain Patents.

Soverain patents include: Microsoft Corporation, Oracle Corporation, Facebook, Inc., AT&T, Inc., International Business Machines Corporation, Dell, Inc., etc.

25. It is difficult today to recall a time before Soverain's patented technology had become part of the platform used to operate many websites. But prior to the mid to late 1990's, when the applications leading to the patents in suit were filed, nothing like the patented functionality had been devised, let alone implemented. The simplicity and intuitive features of the patented technology soon became apparent. Almost overnight, companies abandoned older technologies that often-required customers to dial in directly to specific sites, shop for products using function codes or other keypad commands, and fax or phone in orders rather than complete transactions online.

The above images show major Internet properties contemporaneous (and later) to the inventions conceived in the Soverain patents, including: (1) Microsoft.com (August 1995), (2) Amazon.com (July 1995), and (3) Apple.com (July 1997).

26. The Soverain network management and data extraction patent portfolio includes technology that allows companies to streamline and secure the single sign-on process, extract data from hosts over a network, and authenticate and encrypt data using asymmetric keys.

27. Soverain has maintained and developed the Open Market patent portfolio, which now consists of over 50 issued and pending U.S. and international patents covering key aspects of e-commerce technology.

Open Market wins three I-commerce patents

■ Company to pursue licensing fees

By Matthew Nelson and Dylan Tweney

OPEN MARKET has been granted three patents that cover the basic building blocks of Internet-commerce sites.

The patents cover real-time processing of credit- and debit-card payments via the Internet, server-based electronic shopping carts, and digital authentication using URL-based session identifiers.

Open Market said that "many" I-commerce companies are now infringing on the patents, but "our strong preference will be to sell our software or to license the appropriate technology," said Gary Eichhorn, CEO at Open Market.

Companies that may be forced

Chris Stevens, a senior analyst at the Aberdeen Group, in Boston.

I-commerce vendors are not immediately worried about Open Market's claims.

THE WALL STREET JOURNAL.

By **Nick Wingfield** The Wall Street Journal Interactive Edition
Updated March 4, 1998 12:01 a.m. ET

SAN FRANCISCO -- Shares of Internet-software firm Open Market surged 15% on Tuesday following news that it has received several broad-ranging patents related to electronic commerce.

The Burlington, Mass. Company's stock rose 2 3/8 to 18 1/8 on the Nasdaq Stock Market. At one point Tuesday, the stock hit 18 3/8 – a 52-weel high.

Nick Wingfield, *Three Patents Lift Open Market as Observers Guess Their Worth*, WALL ST. J., Mar. 4, 1998 (reporting that one analyst stated: "The most important thing is that it will allow them to be acknowledged as a leader and be sought after for strategic relationships"); Matthew Nelson and Dylan Tweney, *Open Market Wins Three I-Commerce Patents*, INFOWORLD at 10 (March 9, 1998).

28. Confirming the value of Soverain patents, licensees have paid millions of dollars for a license to practice the technology taught in the Soverain patents. For example, Amazon.com, Inc. paid 40,000,000 dollars to license the Soverain patents.[22]

[22] Thom Weidlich, *Amazon.Com Set to Pay on Patents*, THE SEATTLE TIMES (August 12, 2005) ("Amazon.com, the world's largest Internet retailer, agreed to pay $40 million to Soverain Software to settle two lawsuits over patents related to online shopping.").

THE PARTIES

SOVERAIN IP, LLC

29. McKinney, Texas based Soverain owns the intellectual property rights to information management solutions that allow companies and individuals to manage Internet content, encrypt network based information, and manage access to network based information.

30. Soverain's principal place of business is located at 6851 Virginia Parkway, Suite 214, McKinney, Texas 75071. Like Defendant Experian, Soverain relies on its intellectual property for its financial viability.

31. Experian's sale and distribution of products and services that infringe the patents-in-suit has caused and continues to cause injury to Soverain.

EXPERIAN INFORMATION SOLUTIONS, INC.

32. Experian Information Solutions, Inc. is an Ohio corporation with its headquarters at 475 Anton Blvd., Costa Mesa, CA 92626.

33. On information and belief, Experian has filed cases in the Eastern District of Texas. *See Experian Information Solutions, Inc. v. Lexington Allen LP et al*, Case No. 10-cv-144 (E.D. Tex.).

34. On information and belief, Experian has offices in the Eastern District of Texas where it sells, develops, and/or markets its infringing products, including at: 701 Experian Parkway, Allen, TX 75013.

35. On information and belief, Experian is registered to do business in the State of Texas.

36. On information and belief, Experian has used events and venues in the State of Texas to launch products that infringe the patents-in-suit.

37. On information and belief, Experian has admitted that it does business in this judicial District and consented to jurisdiction in the Eastern District of Texas.

JURISDICTION AND VENUE

38. This action arises under the patent laws of the United States, Title 35 of the United States Code. Accordingly, this Court has exclusive subject matter jurisdiction over this action under 28 U.S.C. §§ 1331 and 1338(a).

39. Upon information and belief, this Court has personal jurisdiction over Experian in this action because Experian has committed acts within the Eastern District of Texas giving rise to this action and has established minimum contacts with this forum such that the exercise of jurisdiction over Experian would not offend traditional notions of fair play and substantial justice. Defendant Experian, directly and/or through subsidiaries or intermediaries (including distributors, retailers, and others), has committed and continues to commit acts of infringement in this District by, among other things, offering to sell and selling products and/or services that infringe the patents-in-suit. Moreover, Experian is registered to do business in the State of Texas, has offices and facilities in the State of Texas, and actively directs its activities to customers located in the State of Texas.

40. Venue is proper in this district under 28 U.S.C. §§ 1391(b)-(d) and 1400(b). Defendant Experian is registered to do business in the State of Texas, has offices in the State of Texas, and upon information and belief, has transacted business in the Eastern District of Texas and has committed acts of direct and indirect infringement in the Eastern District of Texas.

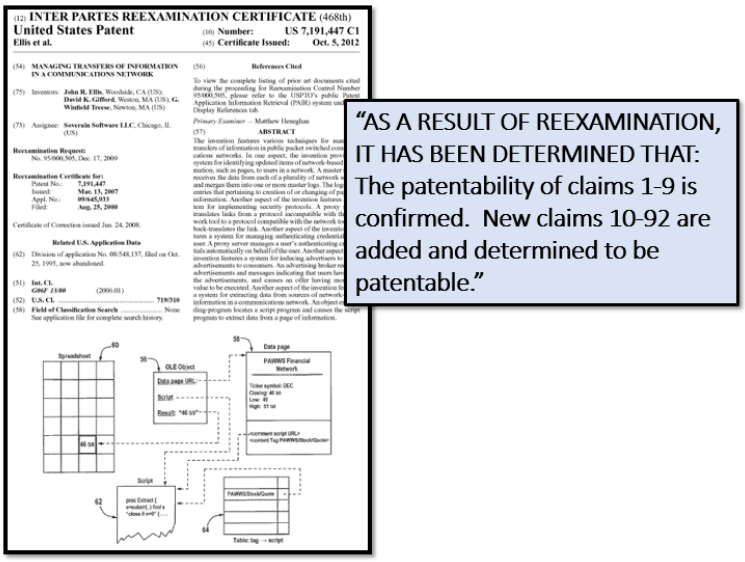
TECHNOLOGY BACKGROUND

U.S. PATENT NO. 7,191,447

41. U.S. Patent No. 7,191,447 ("the '447 patent") entitled, *Managing Transfer of Information in a Communications Network*, was filed on August 25, 2000, and claims priority to October 25, 1995. The '447 patent is subject to a 35 U.S.C. § 154(b) term extension of 615 days. Soverain is the owner by assignment of the '447 patent. A true and correct copy of the '447 patent is attached hereto as Exhibit A. The '447 patent claims specific methods and systems for managing transfers of information in communications networks such as the World Wide Web.

42. All the claims in the '447 patent were subject to *inter partes* reexamination before the United States Patent Office. The reexamination certificate confirming all claims was issued on October 5, 2012. In addition to confirming the patentability of all claims of the '447 patent, 83 additional claims were added and determined to be patentable over multiple references that were not cited during the prosecution of the '447 patent.

43. During the reexamination proceeding, the United States Patent and Trademark Office Board of Patent Appeals and Interferences confirmed the patentability of the claims over four references.[23]



Reexam Ctrl. No. 95/000,505, '447 PATENT, CERT. ISSUED, OCTOBER 5, 2012.

44. The '447 patent teaches various techniques for managing transfers of information in public packet switched communications networks. For example, the '447 patent teaches a system where a server receives data from one or more networked servers and merges the data into one or more master logs. The '447 patent also teaches a system for implementing security protocols wherein a proxy server translates links between an incompatible network protocol to a compatible network protocol and then back-translates the link. The '447 patent also discloses a

[23] *Decision of the United States Patent and Trademark Office Board of Appeals and Interferences*, *INTER PARTES* REEXAMINATION CONTROL NO. 95/000,505 (January 26, 2012).

system for extracting data from sources of network-based information in a communication network using an object embedding program that locates a script program and causes the script program to extract data and make it available over a computer network.

45. The ‘447 patent and its underlying application, foreign counterparts, and its related patents have been cited by 135 United States patents and patent applications as relevant prior art. Specifically, patents issued to the following companies have cited the ‘447 patent family as relevant prior art:

- International Business Machines Corporation
- Telefonaktiebolaget L M Ericsson
- Alcatel-Lucent USA, Inc.
- Juniper Networks, Inc.
- Yellowpages.Com LLC
- General Electric Company
- Microsoft Corporation
- Kaspersky Lab Zao
- Lucent Technologies, Inc.
- AOL, Inc.
- Facebook, Inc.
- Siemens Aktiengesellschaft
- Fujitsu Limited
- Vodafone Group plc
- Charles Schwab & Co., Inc.
- Salesforce.com, Inc.
- Samsung Electronics Co., Ltd.
- Amazon.com, Inc.

U.S. PATENT NO. 8,606,900

U.S. Patent No. 8,606,900 (“the ‘900 patent”) entitled, *Method and System for Counting Web Access Requests*, was filed on April 12, 2000, and issued on December 10, 2013. The ‘900 patent is subject to a 35 U.S.C. § 154(b) term extension of 1,645 days. Soverain is the owner by assignment of the ‘900 patent. A true and correct copy of the ‘900 patent is attached hereto as Exhibit B. The ‘900 patent claims specific methods and systems for processing service requests from a client to a server through a network. In particular, the ‘900 patent teaches methods and

systems applicable to processing client requests in an HTTP (Hypertext Transfer Protocol) environment.

46. The '900 patent teaches the processing of service requests from a client to a server through a computer network. Specifically, the '900 patent describes forwarding a service request from the client to the server and appending a session identification to the request and to subsequent service requests from the client to the server within a session. A session identifier may include an authorization identifier to allow a user to access controlled files.

47. The '900 patent and its related patents have been cited by 139 United States patents and patent applications as relevant prior art. Specifically, patents issued to the following companies have cited the '900 patent family as relevant prior art:

- Sprint Communications Company L.P.
- Qualcomm, Inc.
- Netscape Communications Corporation[24]
- SAP AG
- Facebook, Inc.
- AOL, Inc.
- Fuji Xerox Co., Ltd.
- About, Inc.
- Bellsouth Intellectual Property Corporation
- AT&T, Inc.
- Citrix Systems, Inc.
- International Business Machines Corporation
- Nokia Corporation
- Yahoo! Inc.
- Dell, Inc.
- Microsoft Corporation
- Paramount Pictures Corporation
- Cisco Systems, Inc.
- McAfee, Inc.

[24] Netscape Communications Corporation was originally founded under the name Mosaic Communications Corporation and was one of the early developers of web browsing technology. It was subsequently purchased by AOL, Inc.

U.S. PATENT NO. 6,279,112

48. U.S. Patent No. 6,279,112 ("the '112 patent) entitled, *Controlled Transfer of Information in Computer Networks,* was filed on October 29, 1996, and issued on August 21, 2001. Soverain is the owner by assignment of the '112 patent. A true and correct copy of the '112 patent is attached hereto as Exhibit C. The '112 patent claims specific methods and systems for controlling transfers of information in computer networks.

49. The '112 patent teaches transmitting from a server computer to a client computer a document containing a channel object corresponding to a communication service, and storing an access ticket that indicates that a user of the client computer permits the information source computer to communicate with the user over a specified channel. Further, the '112 patent teaches transmitting from a server computer to a client computer a document containing an embedded link, activating the embedded link at the client computer and recording activation of the embedded link in a metering log.

50. The '112 patent and its underlying application,[25] foreign counterparts,[26] and related domestic patent[27] have been cited by 452 United States patents and patent applications as relevant prior art. Specifically, patents issued to the following companies have cited the '112 patent family as relevant prior art:

- Comcast Corporation
- AT&T, Inc.
- Cisco Systems, Inc.
- eBay, Inc.
- Visa, Inc.
- Siemens AG
- Sony Corporation
- Lucent Technologies, Inc.
- Intel Corporation
- International Business Machines Corporation
- Microsoft Corporation

[25] *See* U.S. Patent App. No. 2001/0037467.

[26] *See* WO1998019224A3 and WO1998019224A2

[27] See U.S. Patent Np. 7,124,092.

- First Data Corporation
- Hewlett-Packard Company
- Telefonaktiebolaget L. M. Ericsson
- Qualcomm, Inc.
- Target Corporation
- Nokia Corporation
- NCR Corporation
- ComScore, Inc.
- Datascape, Inc.

COUNT I
INFRINGEMENT OF U.S. PATENT NO. 7,191,447

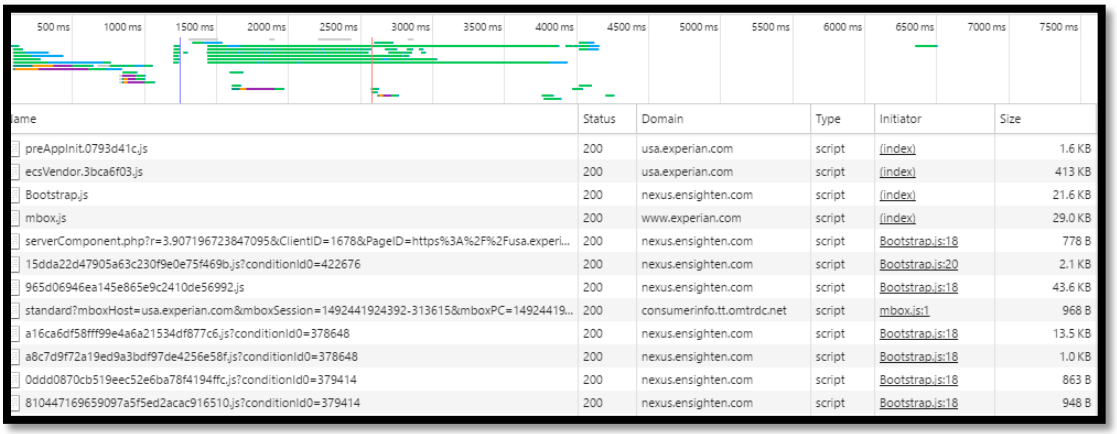
51. Soverain references and incorporates by reference the preceding paragraphs of this Complaint as if fully set forth herein.

52. Experian designs, makes, uses, sells, and/or offers for sale in the United States products and/or services for extracting data from sources of network-based information.

53. Experian designs, makes, sells, offers to sell, imports, and/or uses the Experian Consumer Credit Services available through websites including: Experian.com, CreditReport.com and freecreditscore.com, (collectively, the "Experian '447 Product(s)").

54. On information and belief, one or more Experian subsidiaries and/or affiliates use the Experian '447 Products in regular business operations.

55. On information and belief, one or more of the Experian '447 Products include technology for extracting data from sources of network-based information in a communications network having a plurality of network servers programmed to transmit network-based information. Specifically, the Experian Products enable the extracting of data from network based information on a communication network. The below network inspection report shows the extraction of this data from networked based information.



ame	Status	Domain	Type	Initiator	Size
preAppInit.0793d41c.js	200	usa.experian.com	script	(index)	1.6 KB
ecsVendor.3bca6f03.js	200	usa.experian.com	script	(index)	413 KB
Bootstrap.js	200	nexus.ensighten.com	script	(index)	21.6 KB
mbox.js	200	www.experian.com	script	(index)	29.0 KB
serverComponent.php?r=3.907196723847095&ClientID=1678&PageID=https%3A%2F%2Fusa.experi...	200	nexus.ensighten.com	script	Bootstrap.js:18	778 B
15dda22d47905a63c230f9e0e75f469b.js?conditionId0=422676	200	nexus.ensighten.com	script	Bootstrap.js:20	2.1 KB
965d06946ea145e865e9c2410de56992.js	200	nexus.ensighten.com	script	Bootstrap.js:18	43.6 KB
standard?mboxHost=usa.experian.com&mboxSession=1492441924392-313615&mboxPC=14924419...	200	consumerinfo.tt.omtrdc.net	script	mbox.js:1	968 B
a16ca6df58fff99e4a6a21534df877c6.js?conditionId0=378648	200	nexus.ensighten.com	script	Bootstrap.js:18	13.5 KB
a8c7d9f72a19ed9a3bdf97de4256e58f.js?conditionId0=378648	200	nexus.ensighten.com	script	Bootstrap.js:18	1.0 KB
0ddd0870cb519eec52e6ba78f4194ffc.js?conditionId0=379414	200	nexus.ensighten.com	script	Bootstrap.js:18	863 B
810447169659097a5f5ed2acac916510.js?conditionId0=379414	200	nexus.ensighten.com	script	Bootstrap.js:18	948 B

Network Inspection Report: Experian Credit Report, EXPERIAN.COM WEBSITE, available at: https://usa.experian.com/ (last visited April 2017).

56. On information and belief, one or more of the Experian '447 Products enable an object embedding program implemented on a computer. The object embedding program contains functionality to locate a script program.

57. On information and belief, the Experian '447 Products are available to businesses and individuals throughout the United States.

58. On information and belief, the Experian '447 Products are provided to businesses and individuals located in the Eastern District of Texas.

59. On information and belief, the Experian '447 Products comprise a system containing functionality for a script program that is implemented on a computer on a communication network. Specifically, the object embedding program (e.g., a web browser) running on a client computer locates a script program and applies it to extract network based information.

```
/*!
 * NOTICE:  (c) 2017 ConsumerInfo.com, Inc, an Experian company.
 * All Rights Reserved.
 * The material contained herein is protected by copyright and trade secret law.
 * Unauthorized use, copying, or dissemination is strictly prohibited.
 * All material contained herein is subject to Experian's confidential information policies.
 * ---------------------------------------------------------------------------------------- */
/*!
 *  ECS APP
 *  Copyright 2015 Experian. All rights reserved.
 *
 *  Main app file for the Experian web app.
 *  Config is available under /config
 * ---------------------------------------------------------------------------------------- */
"use strict";angular.module("ecs.config",[]),angular.module("ecs.utils",[]),angular.module("ecs.ser
[]),angular.module("ecs.constants",[]),angular.module("underscore",[]),angular.module("d3",[]),angu
momentjs","ecs.config","ecs.utils","ecs.services","ecs.components","ecs.controllers","ecs.directive
{return arguments.length>0&&(arguments[0]=("!"+arguments[0]).substring(1)),t.apply(this,arguments)}
{e.init(),t.highchartsInit(),t.angularBootstrapInit()}]),angular.module("ecs.config").config(["$pro
t.defaults.headers.common["X-Requested-With"];var a=t.defaults.headers.common.Authorization||null;e
e.get("spinnerInterceptor")}],["$injector",function(e){return e.get("messageInterceptor")}],["$inje
e.get("sessionInterceptor")}],"tokenInterceptor","BasicAuthInterceptor")}]),angular.module("ecs").c
{r.caseInsensitive(!0),t.when("/dashboard/experian/now","/overview/experian/now"),t.when("/overview
/simulator/","/score/transunion/now/rating/"),t.when("/reports","/reports/experian/now/summary"),t.
sunion/accounts/","/reports/transunion/accounts/groups"),t.when("/alerts","/alerts/all"),t.when("/a
n(/\/savings/,"/offers/creditCard"),t.when(/^\/upgrade([^\/](\?.*)|)$/,["$location",function(e){var
t=e.get("$state"),r=e.get("$location"),a=r.path(),n=e.get("authenticationHelper"),i=e.get("ecsRedir
n.clearSessionCache(),i.errorRedirect("pageNotFound"),void 0;return"/error?ec=pageNotFound&c=21&p="
```

Network Inspection Report: Experian Scripts, EXPERIAN.COM WEBSITE, available at: https://usa.experian.com/scripts (last visited April 2017).

60. On information and belief, the Experian '447 Products contain a script program wherein the script program is structured to extract data from network-based information provided by a networked server.

61. On information and belief, the Experian '447 Products contain an object embedding program, implemented on computers. The object embedding program implemented on the Experian '447 Products comprises a link to said network-based information provided by a networked server. Specifically, the object embedding program applies the script to the network based information to embed the network-based information in the web page that is shown on the client computer.

Network Inspection Report: Experian Credit Report, EXPERIAN.COM WEBSITE, available at: https://usa.experian.com/ (last visited April 2017) (Using the ng-binding class to pull data from networked data sources. The ngBind attribute tells AngularJS to replace the text content of the specified HTML element with the value of a given expression, and to update the text content when the value of that expression changes.).

62. On information and belief, the Experian '447 Products enable an object embedding program to (via a link) locate a script program.

63. On information and belief, the Experian '447 Products enable an object embedding program that is structured to apply the script program to the network-based information. The application of the script program causes data to be extracted from a networked server.

64. On information and belief, the Experian '447 Products enable the embedding of data in a compound document that is on the communications network.

65. On information and belief, the Experian '447 Products enable the object embedding program to locate the script program via a link. Further, the Experian '447 Products enable the network-based information to be linked to the scripting program.

66. On information and belief, the Experian '447 Products comprise a system for executing an object embedding program to embed said data within a compound document implemented on a computer in said communications network.

67. On information and belief, Experian has directly infringed and continues to directly infringe the '447 patent by, among other things, making, using, offering for sale, and/or

selling technology for extracting data from sources of network-based information, including but not limited to the Experian '447 Products, which include infringing technology for managing transfers of information in a communications network. Such products and/or services include, by way of example and without limitation, the Experian '447 Products.

68. By making, using, testing, offering for sale, and/or selling products and services, including but not limited to the Experian '447 Products, Experian has injured Soverain and is liable to Soverain for directly infringing one or more claims of the '447 patent, including at least claim 5, pursuant to 35 U.S.C. § 271(a).

69. On information and belief, Experian also indirectly infringes the '447 patent by actively inducing infringement under 35 USC § 271(b).

70. On information and belief, Experian had knowledge of the '447 patent since at least service of this Complaint or shortly thereafter, and on information and belief, Experian knew of the '447 patent and knew of its infringement, including by way of this lawsuit.

71. On information and belief, Experian intended to induce patent infringement by third-party customers and users of the Experian '447 Products and had knowledge that the inducing acts would cause infringement or was willfully blind to the possibility that its inducing acts would cause infringement. Experian specifically intended and was aware that the normal and customary use of the accused products would infringe the '447 patent. Experian performed the acts that constitute induced infringement, and would induce actual infringement, with knowledge of the '447 patent and with the knowledge that the induced acts would constitute infringement. For example, Experian provides the Experian '447 Products that have the capability of operating in a manner that infringe one or more of the claims of the '447 patent, including at least claim 5, and Experian further provides documentation and training materials that cause customers and end users of the Experian '447 Products to utilize the products in a manner that directly infringe one or more claims of the '447 patent. By providing instruction and training to customers and end-users on how to use the Experian '447 Products in a manner that directly infringes one or more claims of the '447 patent, including at least claim 5, Experian

specifically intended to induce infringement of the ‘447 patent. On information and belief, Experian engaged in such inducement to promote the sales of the Experian ‘447 Products, e.g., through Experian user manuals, product support, marketing materials, and training materials to actively induce the users of the accused products to infringe the ‘447 patent. Accordingly, Experian has induced and continues to induce users of the accused products to use the accused products in their ordinary and customary way to infringe the ‘447 patent, knowing that such use constitutes infringement of the ‘447 patent.

72. The ‘447 patent is well-known within the industry as demonstrated by the over 135 citations to the ‘447 patent in published patents and patent applications assigned to technology companies and academic institutions. Several of Experian’s competitors have paid considerable licensing fees for their use of the technology claimed by the ‘447 patent. In an effort to gain an advantage over Experian’s competitors by utilizing the same licensed technology without paying reasonable royalties, Experian infringed the ‘447 patent in a manner best described as willful, wanton, malicious, in bad faith, deliberate, consciously wrongful, flagrant, or characteristic of a pirate.

73. To the extent applicable, the requirements of 35 U.S.C. § 287(a) have been met with respect to the ‘447 patent.

74. As a result of Experian’s infringement of the '447 patent, Soverain has suffered monetary damages, and seeks recovery in an amount adequate to compensate for Experian’s infringement, but in no event less than a reasonable royalty for the use made of the invention by Experian together with interest and costs as fixed by the Court.

COUNT II
INFRINGEMENT OF U.S. PATENT NO. 8,606,900

75. Soverain references and incorporates by reference the preceding paragraphs of this Complaint as if fully set forth herein.

76. Experian designs, makes, uses, sells, and/or offers for sale in the United States products and/or services for tracking web page requests received at a web server.

77. Experian designs, makes, sells, offers to sell, imports, and/or uses the Experian Consumer Credit Services available through websites including: Experian.com, CreditReport.com and freecreditscore.com, (collectively, the "Experian '900 Product(s)").

78. On information and belief, one or more Experian subsidiaries and/or affiliates use the Experian '900 Products in regular business operations.

79. On information and belief, one or more of the Experian '900 Products include technology for tracking webpage requests received at a web server from multiple clients.

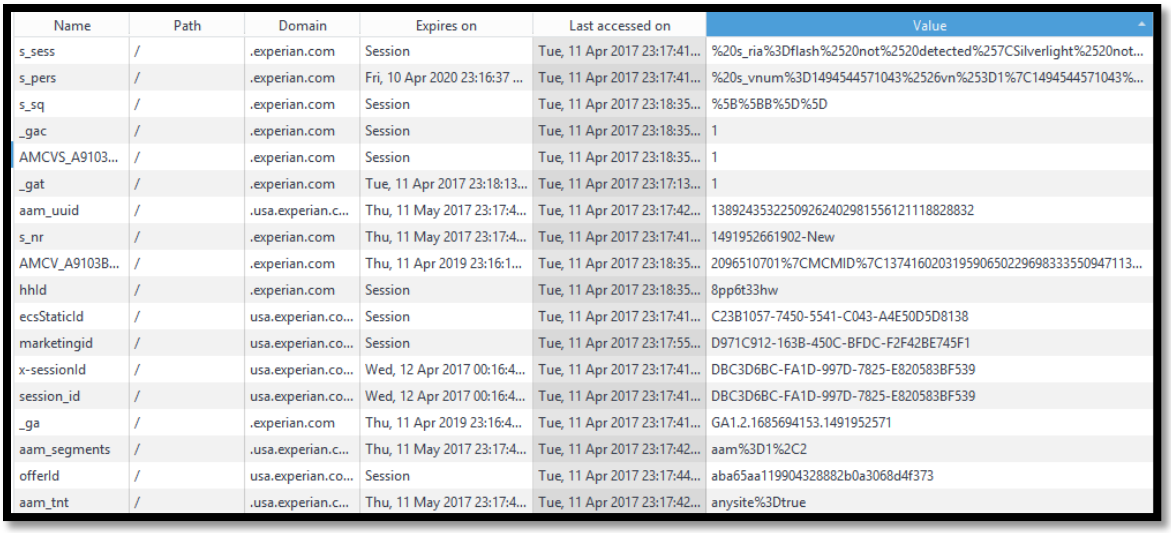
> In order to use our online service, your cookies must be enabled. ***A cookie is a small amount of data stored by the Web browser and associated with a particular Web page or site***. Cookies serve to give the Web browser a memory so that it can use data that was input on one page in another page, or so it can recall user input when the user leaves a page and later returns. We use cookies for the sole purpose of simplifying the registration process when you visit our online personal credit report service. Only the information that you provide while visiting this service will be stored in a cookie, and it can only be read by our server. We do not store any cookies on our server. The cookie you accept uniquely identifies your computer, not you. Cookies are never disclosed to any third party.

Experian Personal Credit Report: Security, EXPERIAN .COM WEBSITE, available at: https://www.experian.com/consumer/upload/security (last visited April 2017) (emphasis added).

80. On information and belief, the Experian '900 Products generate multiple session identifiers. The session identifiers that are generated by the Experian '900 Products are text strings that identify a series of requests and responses to perform a complete task or set of tasks between a client and a server system.

81. On information and belief, the Experian '900 Products generate session identifiers that have information associated with a particular accessing computer where the accessing computer is making a webpage request to the web server. Specifically, the Experian '900 Products generate a plurality of session identifiers that each have particular information associate with a particular client. The below network inspection report shows that Experian generates session identifiers including "s_sess," "s_pers," "markingid, "offer_id." etc. These session identifiers contain values (shown in the column labeled "value") that are specific to a client. Experian documentation states that it uses various session identifiers to track user access. "This

cookie is a "session identifier" which allows our website to recognize your movement around the site as being from one computer. It enables us to temporarily store information so that it can be accessed by other pages of our website if necessary to help our website function correctly. This cookie expires when a user closes the browser.[28]

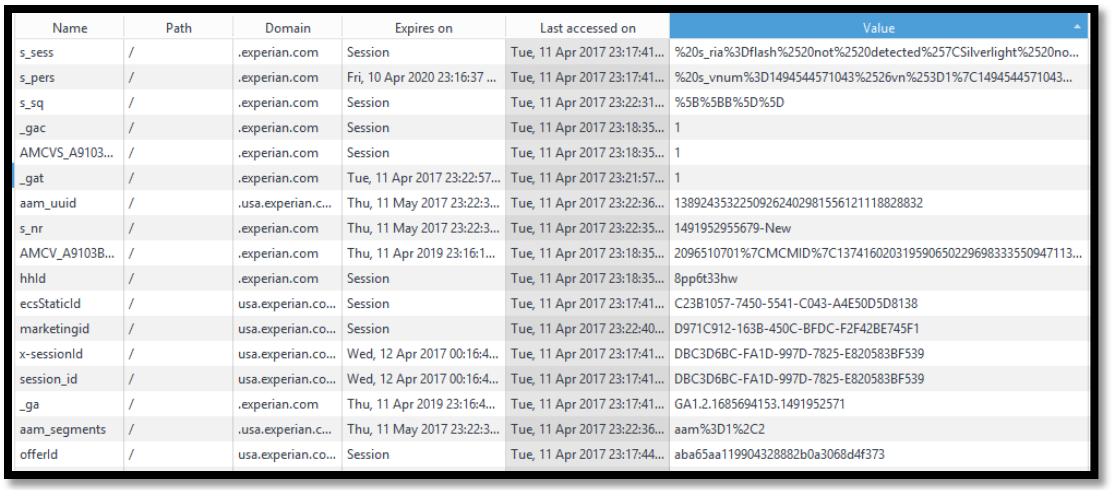


Name	Path	Domain	Expires on	Last accessed on	Value
s_sess	/	.experian.com	Session	Tue, 11 Apr 2017 23:17:41...	%20s_ria%3Dflash%2520not%2520detected%257CSilverlight%2520not...
s_pers	/	.experian.com	Fri, 10 Apr 2020 23:16:37 ...	Tue, 11 Apr 2017 23:17:41...	%20s_vnum%3D1494544571043%2526vn%253D1%7C1494544571043%...
s_sq	/	.experian.com	Session	Tue, 11 Apr 2017 23:18:35...	%5B%5BB%5D%5D
_gac	/	.experian.com	Session	Tue, 11 Apr 2017 23:18:35...	1
AMCVS_A9103...	/	.experian.com	Session	Tue, 11 Apr 2017 23:18:35...	1
_gat	/	.experian.com	Tue, 11 Apr 2017 23:18:13...	Tue, 11 Apr 2017 23:17:13...	1
aam_uuid	/	.usa.experian.c...	Thu, 11 May 2017 23:17:4...	Tue, 11 Apr 2017 23:17:42...	13892435322509262402981556121118828832
s_nr	/	.experian.com	Thu, 11 May 2017 23:17:4...	Tue, 11 Apr 2017 23:17:41...	1491952661902-New
AMCV_A9103B...	/	.experian.com	Thu, 11 Apr 2019 23:16:1...	Tue, 11 Apr 2017 23:18:35...	2096510701%7CMCMID%7C13741602031959065022969833355094711 3...
hhld	/	.experian.com	Session	Tue, 11 Apr 2017 23:18:35...	8pp6t33hw
ecsStaticId	/	usa.experian.co...	Session	Tue, 11 Apr 2017 23:17:41...	C23B1057-7450-5541-C043-A4E50D5D8138
marketingid	/	usa.experian.co...	Session	Tue, 11 Apr 2017 23:17:55...	D971C912-163B-450C-BFDC-F2F42BE745F1
x-sessionId	/	usa.experian.co...	Wed, 12 Apr 2017 00:16:4...	Tue, 11 Apr 2017 23:17:41...	DBC3D6BC-FA1D-997D-7825-E820583BF539
session_id	/	usa.experian.co...	Wed, 12 Apr 2017 00:16:4...	Tue, 11 Apr 2017 23:17:41...	DBC3D6BC-FA1D-997D-7825-E820583BF539
_ga	/	.experian.com	Thu, 11 Apr 2019 23:16:4...	Tue, 11 Apr 2017 23:17:41...	GA1.2.1685694153.1491952571
aam_segments	/	.usa.experian.c...	Thu, 11 May 2017 23:17:4...	Tue, 11 Apr 2017 23:17:42...	aam%3D1%2C2
offerId	/	usa.experian.co...	Session	Tue, 11 Apr 2017 23:17:44...	aba65aa119904328882b0a3068d4f373
aam_tnt	/	.usa.experian.c...	Thu, 11 May 2017 23:17:4...	Tue, 11 Apr 2017 23:17:42...	anysite%3Dtrue

Network Inspection Report: Experian Website, EXPERIAN.COM WEBSITE, available at: https://usa.experian.com (last visited April 2017).

82. On information and belief, the Experian '900 Products enable the storing of the session identifiers at the accessing computer in the accessing computer's web browser. For example, if an accessing computer is running a browser such as Microsoft Internet Explorer the session identifier is stored in the web browser. Specifically, subsequent pages that are accessed contain the same session identifiers that are used to track clients across the website. These session identifiers are shown below and contain the same values shown in prior pages.

[28] *Experian Cookie Policy*, EXPERIAN WEBSITE, available at: https://www.experianplc.com/cookie-policy/details-of-cookies/ (last visited April 2017).



Name	Path	Domain	Expires on	Last accessed on	Value
s_sess	/	.experian.com	Session	Tue, 11 Apr 2017 23:17:41...	%20s_ria%3Dflash%2520not%2520detected%257CSilverlight%2520no...
s_pers	/	.experian.com	Fri, 10 Apr 2020 23:16:37 ...	Tue, 11 Apr 2017 23:17:41...	%20s_vnum%3D1494544571043%2526vn%253D1%7C1494544571043...
s_sq	/	.experian.com	Session	Tue, 11 Apr 2017 23:22:31...	%5B%5BB%5D%5D
_gac	/	.experian.com	Session	Tue, 11 Apr 2017 23:18:35...	1
AMCVS_A9103...	/	.experian.com	Session	Tue, 11 Apr 2017 23:18:35...	1
_gat	/	.experian.com	Tue, 11 Apr 2017 23:22:57...	Tue, 11 Apr 2017 23:21:57...	1
aam_uuid	/	.usa.experian.c...	Thu, 11 May 2017 23:22:3...	Tue, 11 Apr 2017 23:22:36...	13892435322509262402981556121118828832
s_nr	/	.experian.com	Thu, 11 May 2017 23:22:3...	Tue, 11 Apr 2017 23:22:35...	1491952955679-New
AMCV_A9103B...	/	.experian.com	Thu, 11 Apr 2019 23:16:1...	Tue, 11 Apr 2017 23:18:35...	2096510701%7CMCMID%7C13741602031959065022969833355094711 3...
hhld	/	.experian.com	Session	Tue, 11 Apr 2017 23:18:35...	8pp6t33hw
ecsStaticId	/	usa.experian.co...	Session	Tue, 11 Apr 2017 23:17:41...	C23B1057-7450-5541-C043-A4E50D5D8138
marketingid	/	usa.experian.co...	Session	Tue, 11 Apr 2017 23:22:40...	D971C912-163B-450C-BFDC-F2F42BE745F1
x-sessionId	/	usa.experian.co...	Wed, 12 Apr 2017 00:16:4...	Tue, 11 Apr 2017 23:17:41...	DBC3D6BC-FA1D-997D-7825-E820583BF539
session_id	/	usa.experian.co...	Wed, 12 Apr 2017 00:16:4...	Tue, 11 Apr 2017 23:17:41...	DBC3D6BC-FA1D-997D-7825-E820583BF539
_ga	/	.experian.com	Thu, 11 Apr 2019 23:16:4...	Tue, 11 Apr 2017 23:17:41...	GA1.2.1685694153.1491952571
aam_segments	/	.usa.experian.c...	Thu, 11 May 2017 23:22:3...	Tue, 11 Apr 2017 23:22:36...	aam%3D1%2C2
offerId	/	usa.experian.co...	Session	Tue, 11 Apr 2017 23:17:44...	aba65aa119904328882b0a3068d4f373

Network Inspection Report: Experian Website, EXPERIAN.COM WEBSITE, available at: https://usa.experian.com (last visited April 2017).

83. On information and belief, the Experian '900 Products enable the receipt of web page requests at the web server. Each web page request includes a session identifier associated with a client making the web page request. Specifically, the Experian '900 Products receive requests from accessing computers wherein each request for a web page includes the session identifier associated with the requesting computer.

84. On information and belief, the Experian '900 Products enable storing data regarding the web page requests. The data includes the webpage that is requested and the session identifiers associated with the request. Specifically, the Experian '900 Products keep a log of access requests wherein the log incudes the requests for specific web pages and related session identifiers. The session identifiers are stored on the client computer and the values passed to the Experian server for tracking of client requests.

Key	
_da_da_sessionId	A5207A2BF78EAE892EAFAA136F0928C1BC
_gac	1
auth	{"expiration":1491954457,"maxLife":1491959801,"started":1491953257,"token":"Bearer M2EwMzA
authlog	{"numCalls":2,"prevCaller":false}
latestReportId	"201704112322491011"
memberExperie...	{"productType":"fr","upsell":{"alerts":{"pageContext":"alerts","placementId":"upgrade","templat
previousevent	{"active3b3s":9999,"benefits":"B1|B2|B14|B10|B4|B5|B8|B12|B11|B25|B29|B35|B18|B19|B22","birthy
previouspageid	"ecs.reports.public"
sessionId	{"sessionId":"DBC3D6BC-FA1D-997D-7825-E820583BF539","expire":"2017-04-12T00:16:40.326Z"}
sessionStart	DBC3D6BC-FA1D-997D-7825-E820583BF539

Experian Network Inspection Report, EXPERIAN.COM WEBSITE, available at: https://usa.experian.com (last visited April 2017) (Session storage showing that Experian stores the Session ID on the client computer.).

85. On information and belief, the Experian '900 Products are provided to businesses and individuals located in the Eastern District of Texas.

86. On information and belief, the Experian '900 Products enable the tracking of webpage requests by evaluating the information stored at the web server and by counting the number of requests for particular web pages exclusive of repeated requests from a particular client utilizing information associated with a particular client. Specifically, the Experian '900 Products contain website analytics functionality that allows tracking the number of webpage requests that exclude multiple requests from the same computer associated with a unique session identifier. "This cookie is a 'session identifier' which allows our website to recognize your movement around the site as being from one computer. It enables us to temporarily store information so that it can be accessed by other pages of our website if necessary to help our website function correctly. This cookie expires when you close your browser." *Experian Cookie Policy*, EXPERIAN WEBSITE, available at: https://www.experianplc.com/cookie-policy/details-of-cookies/ (last visited April 2017).

87. On information and belief, the session identifier is appended to requests by the Experian '900 Product. The below network inspection report shows how the session identifier is appended.

Experian Network Inspection Report, EXPERIAN.COM WEBSITE, available at: https://usa.experian.com (last visited April 2017)

88. On information and belief, the Experian '900 Products enable counting the number of requests for a webpage wherein the counting performed by the Experian '900 Products excludes repeated requests from a client computer that occur within a predetermined period, and thereafter counts a repeated request for the same web page from the client. Specifically, the Experian'900 Products enable frequency thresholds that exclude counting access requests where the frequency exceeds a specific threshold within a set period. The Experian '900 Products store the corresponding session identifier on the webpage associated with a request such that the Experian '900 Products are able to track access requests.

> Within the U.S. section of www.experian.com Web logs and "cookies" are used to collect aggregated statistics about Web site visitors so that we can better understand what areas of our Web site are of interest to you. This technology does not track any individually identifiable information, but rather records your Web site visit anonymously. Web log information is automatically gathered every time you visit our Web site by the computer that hosts our Web site (called a "Web server"). ***The Web server automatically recognizes non-personal information, such as the date and time you visited our site, the pages you visited, the Web site you came from***, the type of browser you are using (e.g., Internet Explorer), and the type of operating system you are using (e.g., Windows 2000).

Experian Privacy Policy, EXPERIAN WEBSITE, available at: http://www.experian.com/privacy (last visited April 2017) (emphasis added).

89. On information and belief, the web page requests are tracked by the Experian '900 Product to count the number of requests for a given webpage and the requests exclude repeated requests from the same client computer (containing the same session identifier).

> Within the U.S. section of www.experian.com Web logs and "cookies" are used to collect aggregated statistics about Web site visitors so that we can better understand what areas of our Web site are of interest to you. This technology does not track any individually identifiable information, but rather records your Web site visit anonymously. Web log information is automatically gathered every time you visit our Web site by the computer that hosts our Web site (called a "Web server"). ***The Web server automatically recognizes non-personal information, such as the date and time you visited our site, the pages you visited, the Web site you came from***, the type of browser you are using (e.g., Internet Explorer), and the type of operating system you are using (e.g., Windows 2000).

Experian Privacy Policy, EXPERIAN WEBSITE, available at: http://www.experian.com/privacy (last visited April 2017) (emphasis added).

90. On information and belief, Experian has directly infringed and continues to directly infringe the '900 patent by, among other things, making, using, offering for sale, and/or selling web tracking technology, including but not limited to the Experian '900 Products, which include infringing web server tracking technologies. Such products and/or services include, by way of example and without limitation, the Experian '900 Products.

91. By making, using, testing, offering for sale, and/or selling web tracking products and services, including but not limited to the Experian '900 Products, Experian has injured Soverain and is liable to Soverain for directly infringing one or more claims of the '900 patent, including at least claims 1 and 5, pursuant to 35 U.S.C. § 271(a).

92. On information and belief, Experian also indirectly infringes the '900 patent by actively inducing infringement under 35 USC § 271(b).

93. On information and belief, Experian had knowledge of the '900 patent since at least service of this Complaint or shortly thereafter, and on information and belief, Experian knew of the '900 patent and knew of its infringement, including by way of this lawsuit.

94. On information and belief, Experian intended to induce patent infringement by third-party customers and users of the Experian '900 Products and had knowledge that the inducing acts would cause infringement or was willfully blind to the possibility that its inducing

acts would cause infringement. Experian specifically intended and was aware that the normal and customary use of the accused products would infringe the '900 patent. Experian performed the acts that constitute induced infringement, and would induce actual infringement, with knowledge of the '900 patent and with the knowledge that the induced acts would constitute infringement. For example, Experian provides the Experian '900 Products that have the capability of operating in a manner that infringe one or more of the claims of the '900 patent, including at least claims 1 and 5, and Experian further provides documentation and training materials that cause customers and end users of the Experian '900 Products to utilize the products in a manner that directly infringe one or more claims of the '900 patent. By providing instruction and training to customers and end-users on how to use the Experian '900 Products in a manner that directly infringes one or more claims of the '900 patent, including at least claims 1 and 5, Experian specifically intended to induce infringement of the '900 patent. On information and belief, Experian engaged in such inducement to promote the sales of the Experian '900 Products, *e.g.*, through Experian user manuals, product support, marketing materials, and training materials to actively induce the users of the accused products to infringe the '900 patent. Accordingly, Experian has induced and continues to induce users of the accused products to use the accused products in their ordinary and customary way to infringe the '900 patent, knowing that such use constitutes infringement of the '900 patent.

95. The '900 patent is well-known within the industry as demonstrated by the over 139 citations to the '900 patent in published patents and patent applications assigned to technology companies and academic institutions. Several of Experian's competitors have paid considerable licensing fees for their use of the technology claimed by the '900 patent. To gain an advantage over Experian's competitors by utilizing the same licensed technology without paying reasonable royalties, Experian infringed the '900 patent in a manner best described as willful, wanton, malicious, in bad faith, deliberate, consciously wrongful, flagrant, or characteristic of a pirate.

96. To the extent applicable, the requirements of 35 U.S.C. § 287(a) have been met with respect to the ‘900 patent.

97. Because of Experian’s infringement of the '900 patent, Soverain has suffered monetary damages, and seeks recovery in an amount adequate to compensate for Experian’s infringement, but in no event less than a reasonable royalty for the use made of the invention by Experian together with interest and costs as fixed by the Court.

COUNT III
INFRINGEMENT OF U.S. PATENT NO. 6,279,112

98. Soverain references and incorporates by reference the preceding paragraphs of this Complaint as if fully set forth herein.

99. Experian designed, made, used, sold, and/or offered for sale in the United States products and/or services for controlling the transfer of information in a computer network.

100. Experian designed, made, sold, offered to sell, imported, and/or used the Experian Address Verification products (the “Experian ‘112 Product(s)”).

101. On information and belief, one or more Experian subsidiaries and/or affiliates used the Experian ‘112 Products in regular business operations.

102. On information and belief, the Experian ‘112 Products support user/name and password authentication using SAML. Specifically, the Experian ‘112 Products receive a document from the qas.com server.

V3: supports the username/password, token and SAML authentication

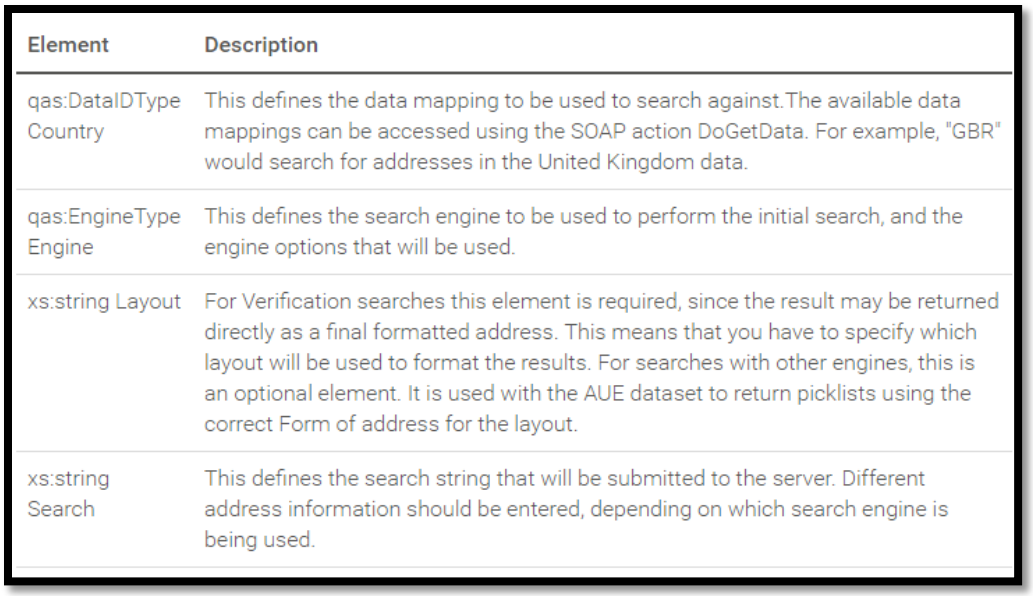
Region	SOAP Endpoint	Port	Protocol
UK/EMEA	https://ws.ondemand.qas.com/ProOnDemand/V3/ProOnDemandService.asmx	443	HTTPS
USA	https://ws2.ondemand.qas.com/ProOnDemand/V3/ProOnDemandService.asmx		
APAC	https://ws3.ondemand.qas.com/ProOnDemand/V3/ProOnDemandService.asmx		

V2: supports username/password and SAML authentication

Region	SOAP Endpoint	Port	Protocol
UK/EMEA	https://ws.ondemand.qas.com/ProOnDemand/V2/ProOnDemandService.asmx	443	HTTPS
USA	https://ws2.ondemand.qas.com/ProOnDemand/V2/ProOnDemandService.asmx		
APAC	https://ws3.ondemand.qas.com/ProOnDemand/V2/ProOnDemandService.asmx		

Experian Support Documentation: Address Validate SOAP, EXPERIAN SUPPORT DOCUMENTATION, available at: https://www.edq.com/documentation/apis/address-validate/address-validate-soap/ (last visited March 2017).

103. On information and belief, one or more of the Experian '112 Products include technology for controlling the transfer of information in a computer network. Specifically, the Experian '112 Products output to a client computer a QASearch document "XML Document" that defines the search process and the type and form of information that is transferred from a network resource. The document contains elements including "qas:dataIDType," "qasEntineType," "xs:string Layout," "xs:string Search," etc.



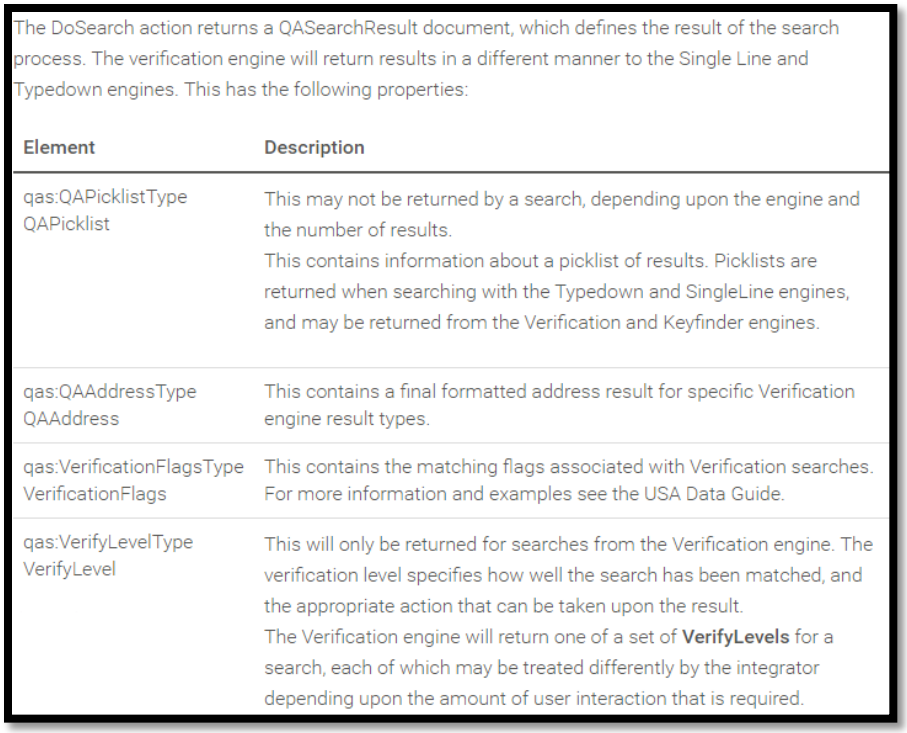
Element	Description
qas:DataIDType Country	This defines the data mapping to be used to search against.The available data mappings can be accessed using the SOAP action DoGetData. For example, "GBR" would search for addresses in the United Kingdom data.
qas:EngineType Engine	This defines the search engine to be used to perform the initial search, and the engine options that will be used.
xs:string Layout	For Verification searches this element is required, since the result may be returned directly as a final formatted address. This means that you have to specify which layout will be used to format the results. For searches with other engines, this is an optional element. It is used with the AUE dataset to return picklists using the correct Form of address for the layout.
xs:string Search	This defines the search string that will be submitted to the server. Different address information should be entered, depending on which search engine is being used.

Experian Support Documentation: Address Validate SOAP, EXPERIAN SUPPORT DOCUMENTATION, available at: https://www.edq.com/documentation/apis/address-validate/address-validate-soap/ (last visited March 2017).

104. On information and belief, one or more of the Experian '112 Products transmit from the server computer to the client computer a document containing a channel object corresponding to a communication service. Further, the communication service is provided over an information transfer channel between the information source computer and the client computer.

105. On information and belief, one or more of the Experian '112 Products enable activating the channel object received by the client computer from the server computer.

106. On information and belief, the Experian '112 Products transmit from the server computer to the client computer a document that contains a channel object corresponding to a communication service (*e.g.*, QASearchResult document) that contains information on the information source computer and client computer. QASearchResult document defines the result of the search process. The verification engine will return results in a manner to the client computer.



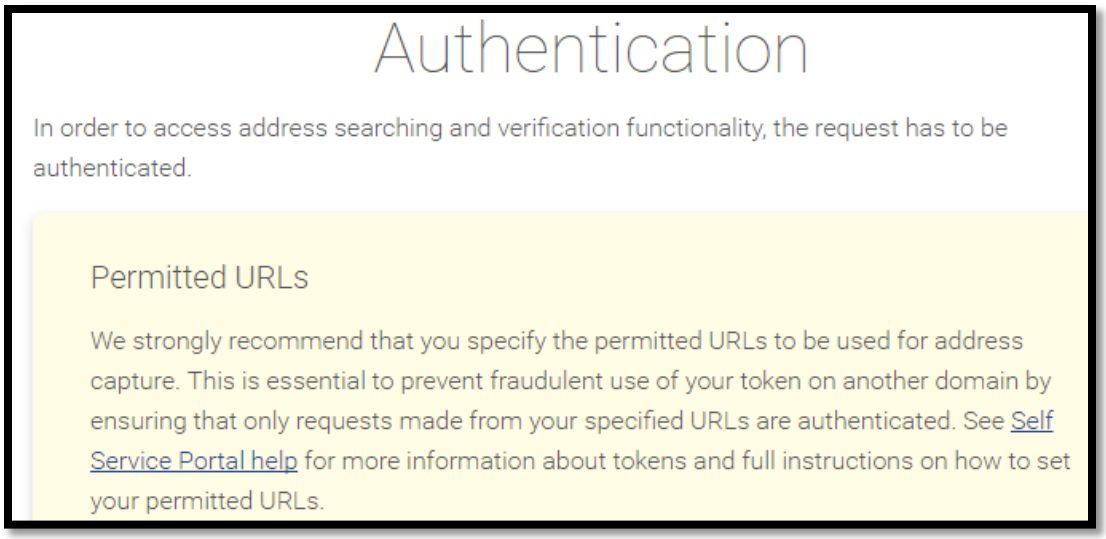
The DoSearch action returns a QASearchResult document, which defines the result of the search process. The verification engine will return results in a different manner to the Single Line and Typedown engines. This has the following properties:

Element	Description
qas:QAPicklistType QAPicklist	This may not be returned by a search, depending upon the engine and the number of results. This contains information about a picklist of results. Picklists are returned when searching with the Typedown and SingleLine engines, and may be returned from the Verification and Keyfinder engines.
qas:QAAddressType QAAddress	This contains a final formatted address result for specific Verification engine result types.
qas:VerificationFlagsType VerificationFlags	This contains the matching flags associated with Verification searches. For more information and examples see the USA Data Guide.
qas:VerifyLevelType VerifyLevel	This will only be returned for searches from the Verification engine. The verification level specifies how well the search has been matched, and the appropriate action that can be taken upon the result. The Verification engine will return one of a set of **VerifyLevels** for a search, each of which may be treated differently by the integrator depending upon the amount of user interaction that is required.

Experian Support Documentation: Address Validate SOAP, EXPERIAN SUPPORT DOCUMENTATION, available at: https://www.edq.com/documentation/apis/address-validate/address-validate-soap/ (last visited March 2017).

107. On information and belief, one or more of the Experian '112 Products, in response to activation of the channel object, cause an access ticket to be stored at the client computer that indicates that a user of the client computer permits the information source computer to communicate with the user over the channel.

108. On information and belief, one or more of the Experian '112 Products transmit information from the information source computer to the client computer over the channel. For example, the receipt of the channel object by the client computer activates the channel object by the server computer. This typically occurs automatically at the client browser as the channel object is received via the SOAP v.1.1/1.2 and HTTP v1.0 and 1.1 protocol. In response to activation of the channel object being received by the client computer, the Experian '112 Products cause an access ticket to be stored at the client computer that indicates that a user of the client computer permits the information source computer to communicate with the user over the channel. This occurs through the storage of a token on the client computer.



Experian Support Documentation: Address Validate SOAP, EXPERIAN SUPPORT DOCUMENTATION, available at: https://www.edq.com/documentation/apis/address-validate/address-validate-soap/ (last visited March 2017) ("Each Address Validate SOAP API request requires username and password or the token to be submitted as part of the communication. Examples below use a sample username and password.").

109. On information and belief, one or more of the Experian '112 Products receive the information from the information source computer at the client computer over the channel based

on the access ticket stored at the client computer. Further, the Experian '112 Products filter information received by the client computer over the channel according to specifications derived from the access ticket stored at the client computer.

110. On information and belief, the Experian '112 Product documentation describes that the Auth-Token is used to authenticate the Experian '112 Products. The Auth-Token is specified in the request header or passed as a query parameter in the URL. When making a request, the client will add an origin request header. The API will respond with a CORS-specific response header denoting the origin domains allowed to make requests to the API.

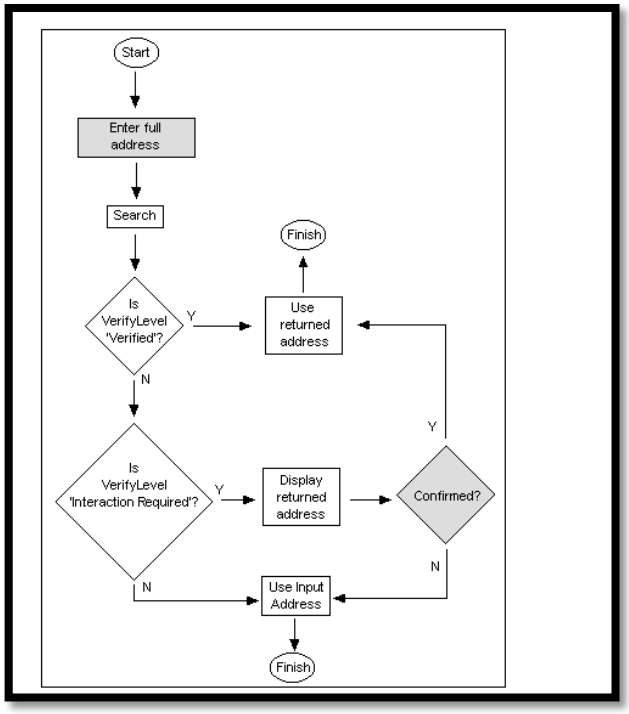
Experian Support: Global Intuitive, EXPERIAN SUPPORT DOCUMENTATION, available at: https://www.edq.com/documentation/apis/address-validate/global-intuitive/ (last visited March 2017).

111. On information and belief, the Experian '112 Products enable receiving the information from the information source computer at the client computer over the channel based on the access ticket stored at the client computer. For example, if the access ticket stored on the client computer transmits to the server a request to verify level that is "Full Verified," the server computer transmits over the communication channel specific information that is based on this setting,

> The Verification engine is designed so that only minimal interaction, or none at all, is required from the user (this can be decided by the integrator). The user enters the whole address in the same way that it would be written on an envelope, and the entire address is submitted to the engine. ***The engine returns a verification level which corresponds to the degree of confidence in the returned (and reformatted) match.*** For addresses that could not be matched with confidence, it is up to the integrator whether to return a prompt for more user interaction, or whether to return the address as it was entered.

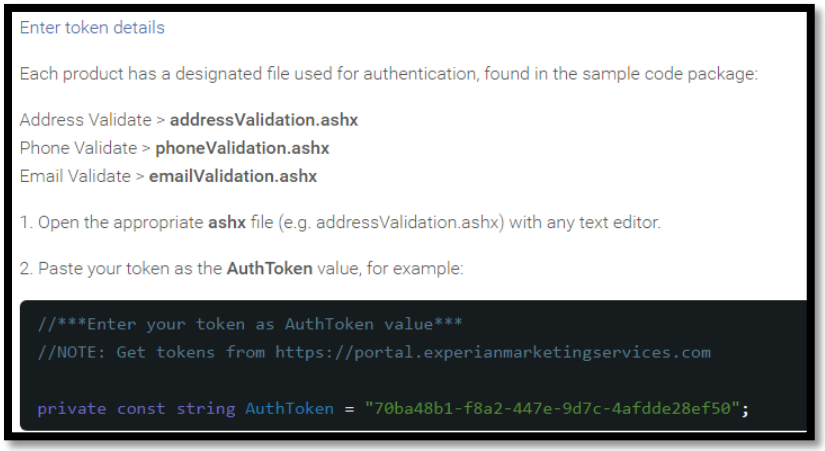
Experian Support Documentation: Address Validate SOAP, EXPERIAN SUPPORT DOCUMENTATION, available at: https://www.edq.com/documentation/apis/address-validate/address-validate-soap/ (last visited March 2017) (emphasis added).

112. On information and belief, the below diagram shows that the data that is returned to a client computer is based on the "VerifyLevel" that is stored on the client computer and transmitted to the server.



Experian Support Documentation: Address Validate SOAP, EXPERIAN SUPPORT DOCUMENTATION, available at: https://www.edq.com/documentation/apis/address-validate/address-validate-soap/ (last visited March 2017) (emphasis added).

113. On information and belief, Experian documentation states that the Experian '112 Products have designated files used for authentication.



Experian Support: Capture Sample Code, EXPERIAN SUPPORT DOCUMENTATION, AVAILABLE A: https://www.edq.com/documentation/applications/capture-sample-code/ (last visited March 2017).

114. On information and belief, the Experian '112 Products have been provided, sold, and/or offered for sale to businesses and individuals located in the Eastern District of Texas.

115. On information and belief, Experian has directly infringed the '112 patent by, among other things, having made, used, offered for sale, and/or sold technology for controlling the transfer of information in a computer network, including but not limited to the Experian '112 Products, which include infringing technologies for controlling the transfer of information in a computer network. Such products and/or services include, by way of example and without limitation, the Experian '112 Products.

116. By having made, used, tested, offered for sale, and/or sold products and services for controlling the transfer of information in a computer network, including but not limited to the Experian '112 Products, Experian has injured Soverain and is liable to Soverain for directly infringing one or more claims of the '112 patent, including at least claim 17, pursuant to 35 U.S.C. § 271(a).

117. The '112 patent is well-known within the industry as demonstrated by the over 320 citations to the '112 patent in published patents and patent applications assigned to technology companies and academic institutions. Several of Experian's competitors have paid considerable licensing fees for their use of the technology claimed by the '112 patent. To gain an advantage over Experian's competitors by utilizing the same licensed technology without

paying reasonable royalties, Experian infringed the ‘112 patent in a manner best described as willful, wanton, malicious, in bad faith, deliberate, consciously wrongful, flagrant, or characteristic of a pirate.

118. To the extent applicable, the requirements of 35 U.S.C. § 287(a) have been met with respect to the ‘112 patent.

119. Because of Experian’s infringement of the '112 patent, Soverain has suffered monetary damages, and seeks recovery in an amount adequate to compensate for Experian’s infringement, but in no event less than a reasonable royalty for the use made of the invention by Experian together with interest and costs as fixed by the Court.

PRAYER FOR RELIEF

WHEREFORE, Plaintiff Soverain respectfully requests that this Court enter:

A. A judgment in favor of Plaintiff Soverain that Experian has infringed, either literally and/or under the doctrine of equivalents, the '447 patent, the '900 patent, and the '112 patent;

B. An award of damages resulting from Experian's acts of infringement in accordance with 35 U.S.C. § 284;

C. A judgment and order finding that Defendant's infringement was willful, wanton, malicious, bad-faith, deliberate, consciously wrongful, flagrant, or characteristic of a pirate within the meaning of 35 U.S.C. § 284 and awarding to Plaintiff enhanced damages.

D. A judgment and order finding that this is an exceptional case within the meaning of 35 U.S.C. § 285 and awarding to Plaintiff its reasonable attorneys' fees against Defendant.

E. Any and all other relief to which Soverain may show itself to be entitled.

JURY TRIAL DEMANDED

Pursuant to Rule 38 of the Federal Rules of Civil Procedure, Soverain IP, LLC requests a trial by jury of any issues so triable by right.

Dated: April 18, 2017

Respectfully submitted,

/s/ Dorian S. Berger_____

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