

**IN THE UNITED STATES DISTRICT COURT  
FOR THE MIDDLE DISTRICT OF FLORIDA  
Tampa Division**

MOBILEMEDIA IDEAS LLC, )  
 )  
 Plaintiff, )  
 )  
 v. )  
 )  
 SAMSUNG ELECTRONICS CO., LTD., and )  
 SAMSUNG ELECTRONICS AMERICA, )  
 INC. )  
 )  
 Defendants. )

Civil Action No.  
\_\_\_\_\_

**JURY TRIAL DEMANDED**

**COMPLAINT FOR PATENT INFRINGEMENT**

Plaintiff, MobileMedia Ideas LLC (“MobileMedia”), by and through its undersigned attorneys, demands a trial by jury on all issues and hereby alleges as follows for its Complaint for Patent Infringement against defendants, Samsung Electronics Co., Ltd. (“SEC”) and Samsung Electronics America, Inc. (“SEA”) (collectively, “Defendants”).

**PRELIMINARY STATEMENT**

1. Nokia Mobile Phones Ltd. (“Nokia”) is a longtime global leader in cellular technology and was a pioneer of cellular technology research and development in the 1990s. Due to the trailblazing nature of their work, Nokia invested heavily in technology and related patents to recover research and development costs. The early work of Nokia paved the way for companies presently active in the cellular technology market and their products. The cellular technology of today, including technology found in smart phones and tablets, was not invented out of whole cloth. Even as cellular technology evolved, foundational features first developed and patented by Nokia were maintained as key features for subsequent generations of cellular technology. Today’s

cellular technology stands on the shoulders of Nokia's 1990's foundational research and development.

2. In 2010, Nokia, Sony Corp. and MPEG LA formed and assigned patents to MobileMedia Ideas LLC to facilitate licensing of some of their foundational, fundamental technology, including former Nokia U.S. Patent Nos. 6,427,078, 5,915,239 and 5,553,125. MobileMedia accordingly owns, protects and licenses former Nokia and Sony Corp.'s patented inventions to allow other companies to operate in the marketplace and to ensure their innovative labor is fairly compensated. Nevertheless, the patents MobileMedia owns and licenses have been the subject of widespread misappropriation by numerous industry members who have utilized MobileMedia's foundational technology as a base around which to build their products.

## **PARTIES**

1. Plaintiff MobileMedia Ideas LLC ("MobileMedia") is a limited liability company organized and existing under the laws of the State of Delaware and has its principal place of business in Chevy Chase, Maryland. MobileMedia owns the patents at issue in this litigation.

2. On information and belief, Defendant Samsung Electronics Co., Ltd. ("SEC") is a company organized and existing under the laws of the country of the Republic of Korea, with its principal place of business and home office at San #24 Nongseo-Dong Giheung-Gu Yongincity, Gyeonggi-Do, Republic of Korea 446-711.

3. SEC is engaged in the design, manufacture, marketing, and sale of, among other things, smartphones, mobile phones, netbooks, Chromebooks, and tablet products, including but not limited to the models listed in Appendix 1 through 3, attached herein.

4. On information and belief, Defendant Samsung Electronics America, Inc. (“SEA”) is a corporation organized and existing under the laws of the state of New York, and maintains its principal place of business at 85 Challenger Road, Ridgefield Park, New Jersey 07660.

5. On information and belief, SEA is a wholly owned subsidiary of SEC.

6. On information and belief, SEA serves as a representative, alter ego, and/or agent of SEC for purposes of conducting business in the United States, including but not limited to marketing, offering to sell, selling, and importing in the United States smartphones, mobile phones, netbooks, Chromebooks, and tablet products including the models listed in Appendix 1 through Appendix 3.

7. On information and belief, Samsung Telecommunications America, LLC (“STA”) was a limited liability company organized and existing under the laws of Delaware with a principal place of business at 1301 East Lookout Drive, Richardson, Texas 75082.

8. Upon information and belief, STA merged into Defendant SEA in January, 2016, with Defendant SEA being the surviving company and STA being the absorbed company. Prior to the date of merger, on information and belief, STA served as a representative, alter ego, and/or agent of SEC for purposes of conducting business in the United States, including but not limited to marketing, offering to sell, selling, and importing in the United States smartphones, mobile phones, netbooks, Chromebooks, and tablet products including the models listed in Appendix 1 through Appendix 3.

## **JURISDICTION AND VENUE**

9. This action arises under the patent laws of the United States, United States Code, Title 35, § 1 et seq. MobileMedia asserts claims for patent infringement at least under 35 U.S.C. §§ 271 and 281.

10. This Court has jurisdiction over the subject matter of this action pursuant to 28 U.S.C. §§ 1331 and 1338.

11. This Court has personal jurisdiction over the Defendants because Defendants, among other things, conduct business in and avail themselves of the laws of the State of Florida. For example, the Defendants through their own acts and/or through acts of their affiliates (acting as their agents or alter egos) make, use, offer for sale, sell (directly and through intermediaries) and/or import in Florida, including the Middle District of Florida and elsewhere in the United States, one or more of the products in Appendix 1 through Appendix 3 through regular distribution channels, knowing that such products would be used, offered for sale and/or sold in the Middle District of Florida. At least by placing their products into the stream of commerce including into this District, the Defendants have sufficient minimum contacts with the Middle District of Florida, making them amenable to suit in the Middle District of Florida.

12. The Defendants offer for sale and sell one or more of the products in Appendix 1 through Appendix 3 in this District at least through their retail location at the Samsung Experience Store, Best Buy, 1725 N Dale Mabry Hwy, Tampa, FL 33607.

13. As such, venue is proper in this District pursuant to at least 28 U.S.C. §§ 1391(b), (c), and (d), and 1400(b). On information and belief, Defendants have committed acts of infringement in this judicial district and have purposely transacted business in this judicial district.

### **SUMMARY OF CLAIMS**

14. This is a patent infringement action brought by MobileMedia against Defendants for Defendants' infringement of MobileMedia's patents.

15. MobileMedia owns all of the patents-in-suit and offers non-exclusive licenses under the MobileMedia patents.

16. Defendants have infringed and/or are infringing the patents-in-suit by, among other things, making, importing, using, offering to sell, and/or selling in the United States and in this judicial district, at least the smartphones, mobile phones, PC, netbooks, Chromebooks, and tablets in Appendix 1 through Appendix 3.

17. In making, importing, using, offering to sell and/or selling the infringing products, providing customers with instructions about the use of such products and continuing such acts, Defendants knew or should have known that the products would be used in an infringing manner. Defendants intended to encourage this infringement and continue to do so.

### **THE PATENTS-IN-SUIT**

18. United States Patent No. 6,427,078 (the "'078 Patent") was duly and legally issued on July 30, 2002 for an invention entitled "Device for personal communications, data collection and data processing, and a circuit card" and was assigned to MobileMedia on January 11, 2010. MobileMedia owns and holds the rights to the '078 Patent, a true and correct copy of which is attached hereto as Exhibit A.

19. The '078 Patent has been reexamined three different occasions in view of newly asserted pieces of prior art. The validity of the '078 Patent, on each occasion, has been confirmed by the United States Patent and Trademark Office. Reexamination Certificates US 6,427,078 C1, US 6,427,078 C2 and US 6,427,078 C3 are attached hereto as Exhibit B.

20. The '078 patent is valid and enforceable.

21. United States Patent No. 5,915,239 (the "'239 Patent") was duly and legally issued on June 22, 1999 for an invention entitled "Voice-controlled telecommunication terminal" and was assigned to MobileMedia on January 11, 2010. MobileMedia owns and holds the rights to the '239 Patent, a true and correct copy of which is attached hereto as Exhibit C.

22. The '239 Patent has been reexamined in view of two pieces of asserted prior art. The validity of the '239 Patent was confirmed by the United States Patent and Trademark Office. Reexamination Certificate US 5,915,239 C1 is attached hereto as Exhibit D.

23. The '239 patent is valid and enforceable.

24. United States Patent No. 5,553,125 (the "'125 Patent") was duly and legally issued on September 3, 1996 for an invention entitled "Telephone apparatus with calling line identification" and was assigned to MobileMedia on January 11, 2010. Plaintiff MobileMedia owns and holds the rights to the '125 Patent, a true and correct copy of which is attached hereto as Exhibit E.

25. The '125 patent is valid and enforceable.

26. On March 4, 2010, MobileMedia notified Defendants by letter (copy attached at Exhibit F) that Defendants' smartphones, mobile phones, PCs, netbooks, and tablet products listed in Exhibit F, infringe the patents-in-suit.

#### **COUNT I: INFRINGEMENT OF THE '078 PATENT**

27. MobileMedia repeats and realleges paragraphs 1 through 26 of its Complaint as though fully set forth in this paragraph.

28. MobileMedia is the legal owner by assignment of all rights, title, and interest in and to the validly issued '078 Patent.

29. The '078 Patent is the first patent to claim a tightly-integrated, multifunctional combined camera and telephone which permits a user not only to collect image data, but to process, display, store and transmit that data over wireless networks.

30. On information and belief, the Defendants infringe, directly or indirectly by way of inducement and or contributory infringement, literally and/or under the doctrine of equivalents, at minimum, independent claims 1, 36 and 73 of the '078 Patent by making, using, selling, offering to sell, and/or importing smartphones, mobile phones, PCs, netbooks, Chromebooks, and tablets including those listed in Appendix 1 in violation of 35 U.S.C. § 271.

31. On information and belief, the Defendants have infringed and continue to infringe the '078 patent by using, selling and offering for sale, or inducing others to use sell and offer for sale, the products listed in Appendix 1 that practice the '078 patent, namely, as an illustrative example, a portable cellular mobile phone comprising: a built in camera unit for obtaining image information; a user interface for enabling a user to input signals to operate the camera unit; a display for presenting image information obtained by the camera unit; a microprocessor adapted to control the operations of the camera unit in response to input signals from the user interface, and to process image information received by the camera unit; and means, coupled to said microprocessor, for transmitting image information processed by said microprocessor to another location using a radio frequency channel; and wherein the camera unit comprises: optics for obtaining image information; an image sensor for obtaining image information; and means for processing and for storing at least a portion of the image information obtained by the camera unit for later recall and processing.

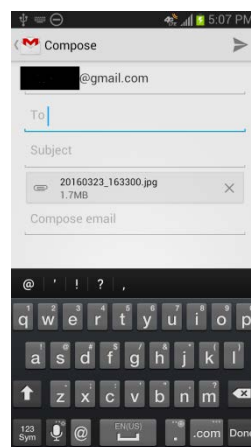
32. Upon information and belief, the cell phone and smart phone products listed in Appendix 1 include a built in camera unit for obtaining image information; a user interface for

enabling a user to input signals to operate the camera unit; and a display for presenting image information obtained by the camera unit. See, *e.g.*, as an illustrative example, Samsung S3 smart phone SGH-1747:



33. Upon information and belief, the cell phone and smart phone products listed in Appendix 1 further include multiple microprocessors, see, *e.g.*, <http://www.techinsights.com/teardown.com/samsung-galaxy-s4/> (Exhibit G), including a microprocessor adapted to control the operations of the camera unit in response to input signals from the user interface, and to process image information received by the camera unit.

34. Upon information and belief, the cell phone and smart phone products listed in Appendix 1 further include means, coupled to said microprocessor, for transmitting image information processed by said microprocessor to another location using a radio frequency channel. See, *e.g.*, as an illustrative example, Samsung S3 smart phone SGH-1747:





35. Upon information and belief, the cell phone and smart phone products listed in Appendix 1 further include a camera unit comprising optics for obtaining image information; an image sensor for obtaining image information; and means for processing and for storing at least a portion of the image information obtained by the camera unit for later recall and processing. See, *e.g.*, <http://www.samsung.com/us/support/answer/ANS00039760/997336922/SGH-I537ZAAATT> (Exhibit H).

36. Accordingly, the smart phones and mobile phones in Appendix 1 infringe at least claims 1 and 73, at least because they each include a built in camera unit that obtains image information such as photographs, they each process and display that image information, and they each transmit that image information to another location using a radio frequency channel, such as by way of text messaging or WiFi.

37. Similarly, the PC, netbooks, Chromebooks, and tablets listed in Appendix 1 infringe at least claim 46, at least because they each include an integrated camera unit for recording and storing an image, such as a photograph, they each process the image, and they each transmit the image to another location using a radio frequency channel, such as by WiFi. See, *e.g.*, <https://support.google.com/chromebook/answer/4487486?hl=en> (Exhibit I).

38. The Defendants are, and have been, on notice of their infringement of the '078 patent since at least March 4, 2010. See Exhibit F.

39. Defendants' infringement of the '078 Patent has been willful and in deliberate disregard of MobileMedia's rights under the patent.

40. As a result of Defendants' patent infringement, MobileMedia has suffered damages and irreparable injury by the Defendants' infringement.

**COUNT II: INFRINGEMENT OF THE '239 PATENT**

41. MobileMedia repeats and realleges paragraphs 1 through 40 of its Complaint as though fully set forth in this paragraph.

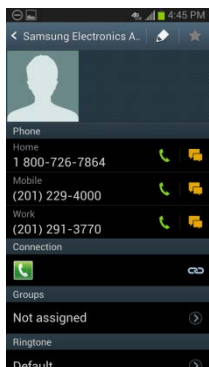
42. MobileMedia is the legal owner by assignment of all rights, title, and interest in and to the validly issued '239 Patent.

43. The '239 Patent is directed to a voice controlled device that can recall a stored phone number in response to a voice command, wherein the stored phone number may be recalled with a plurality or several sub-identifiers.

44. On information and belief, the Defendants infringe, directly or indirectly by way of inducement and or contributory infringement, literally and/or under the doctrine of equivalents, at minimum, independent claims 4 and 10 of the '239 Patent by making, using, selling, offering to sell, and/or importing smartphones and mobile phones, PCs, netbooks, Chromebooks, and tablets listed in Appendix 2 in violation of 35 U.S.C. § 271.

45. On information and belief, the Defendants have infringed and continue to infringe the '239 patent by using, selling and offering for sale, or inducing others to use sell and offer for sale, the products listed in Appendix 2 that practice, as an illustrative example, a voice controlled device comprising: means for storing the telephone numbers to be selected, means for storing at least one identifier for each telephone number to be selected, means for receiving an identifier given in a voice form, means for interpreting the received voice commands, means for selecting a telephone number in response to a voice command, wherein the identifier comprises several sub-identifiers, and the voice controlled device comprises means for storing the sub-identifiers, and means for selecting a telephone number in response to a voice command comprising a combination of several sub-identifiers.

46. Upon information and belief, the cell phone and smart phone products listed in Appendix 2 include a voice controlled device comprising: means for storing the telephone numbers to be selected, means for storing at least one identifier for each telephone number to be selected. See, *e.g.*, as an illustrative example, Samsung S3 smart phone SGH-1747:



47. Upon information and belief, the cell phone and smart phone products listed in Appendix 2 include means for receiving an identifier given in a voice form, means for interpreting the received voice commands, means for selecting a telephone number in response to a voice command, wherein the identifier comprises several sub-identifiers, and the voice controlled device comprises means for storing the sub-identifiers, and means for selecting a telephone number in response to a voice command comprising a combination of several sub-identifiers, see, *e.g.* Exhibit L, <http://www.samsung.com/ae/discover/go-hands-free-with-s-voice-for-your-mobile-device>:

## Calls and Messaging

**Phone calls:** Dial a contact by saying "Call Charlie mobile," or manage incoming calls with the commands "Answer" or "Reject."

**Text messages:** Compose and send a message to a contact. "Text Katie message: Are you free tonight for dinner?"

48. Accordingly, upon information and belief, the smartphones and mobile phones of Appendix 2 infringe the '239 patent because they each include a voice dialing feature

whereby a telephone number may be selected using two identifiers, such as for example two of a first name, a last name, or a particular phone number (e.g. work, home, mobile).

49. The Defendants are, and have been, on notice of their infringement of the '239 patent since at least March 4, 2010. See Exhibit F.

50. Defendants' infringement of the '239 Patent has been willful and in deliberate disregard of MobileMedia's rights under the patent.

51. As a result of Defendants' patent infringement, MobileMedia has suffered and will continue to suffer damages and irreparable injury as Defendants continue distributing their infringing products in the marketplace.

### **COUNT III: INFRINGEMENT OF THE '125 PATENT**

52. MobileMedia repeats and realleges paragraphs 1 through 51 of its Complaint as though fully set forth in this paragraph.

53. MobileMedia is the legal owner by assignment of all rights, title, and interest in and to the validly issued '125 Patent.

54. The '125 Patent is directed to a cellular phone that stores telephone numbers with associated instructions in a memory, wherein the cellular phone carries out the associated instruction when an incoming call matches to a number in the memory.

55. On information and belief, the Defendants infringed, directly or indirectly by way of inducement and or contributory infringement, either literally or under the doctrine of equivalents, at minimum, independent claims 1, 8, and 16 of the '125 patent, by making, using, selling, offering to sell, and/or importing smartphones and mobile phones, including those listed in Appendix 3 in violation of 35 U.S.C. § 271.



56. On information and belief, the Defendants have infringed and continue to infringe the '125 patent by using, selling and offering for sale, or inducing others to use sell and offer for sale, the products listed in Appendix 3 that practice, as an illustrative example, a radio telephone comprising: a transceiver; a memory storing a list comprised of a plurality of records each having a plurality of fields, each record having a first field for storing a telephone number and a second field for storing an instruction associated with the telephone number stored in the first field; means, responsive to a first input signal generated by a user of said radio telephone, for accessing a specified one of said records of said list and speed dialing the telephone number stored in the first field of the accessed record; means, coupled to an output of said transceiver, for automatically comparing a received telephone number, that identifies a source of an incoming telephone call, to the telephone numbers stored in the first field of said same list of stored records; and means, upon received telephone number matching a telephone number stored in the first field of one of said stored records, for responding to the instruction in the second field of the record to modify the operation of the radio telephone in accordance with the instruction.

57. Upon information and belief, the cell phone and smart phone products listed in Appendix 3 include a transceiver; a memory storing a list comprised of a plurality of records each having a plurality of fields, each record having a first field for storing a telephone number and a second field for storing an instruction associated with the telephone number stored in the first field. See, *e.g.*, as an illustrative example, Exhibit J, <http://www.samsung.com/us/support/answer/ANS00044016/997407179/SM-S975LZKATFN>.


58. Upon information and belief, the products listed in Appendix 3 further include means, responsive to a first input signal generated by a user of said radio telephone, for accessing a specified one of said records of said list and speed dialing the telephone number stored

in the first field of the accessed record. See, e.g. <http://www.samsung.com/us/support/answer/ANS00033329/243195/SPH-L520ZKPSPR>.

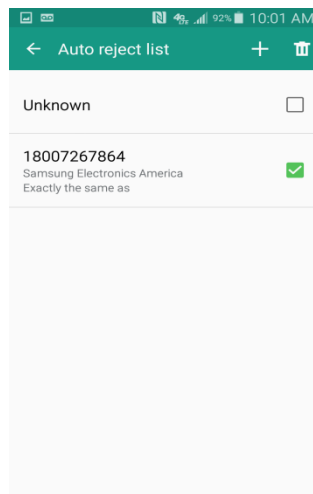
Speed Dials

To set up speed dials on your mobile device, touch **Phone**  at the bottom of the Home screen. Then touch **Menu**  > **Speed dial setting**.

Touch one of the 99 speed dial locations in the list, and select a contact from your contacts list. If multiple numbers exist, you will be prompted to select a specific number.

To make a call using speed dial, touch **Phone** , dial the first digit of the speed dial number, and then touch and hold the last digit to start the call. For example, if you want to call speed dial number **25**, touch **2**, and then touch and hold **5**

59. Upon information and belief, the products listed in Appendix 3 further have function and structure that includes means, coupled to an output of said transceiver, for automatically comparing a received telephone number, that identifies a source of an incoming telephone call, to the telephone numbers stored in the first field of said same list of stored records; and means, upon received telephone number matching a telephone number stored in the first field of one of said stored records, for responding to the instruction in the second field of the record to modify the operation of the radio telephone in accordance with the instruction. See, e.g., Exhibit K, and as an illustrative example, Samsung S4 smart phone SGH-1337:



60. Accordingly, upon information and belief, the smartphones and mobile phones in Appendix 3 infringe at least claim 8 because they each include a telephone number list {11192654:2}

feature, where there is an instruction associated with an entry on the telephone number list (e.g., reject), whereby the instruction is performed when the smartphone or mobile phone receives a call from that particular telephone number. For example, if the instruction “reject” is associated with a telephone number, the smartphones and mobile phones in Appendix 3 include a feature whereby an incoming call from that telephone number will be rejected.

61. The Defendants are, and have been, on notice of their infringement of the ‘125 patent since at least March 4, 2010. See Exhibit F.

62. The Defendants’ infringement of the ‘125 Patent has been willful and in deliberate disregard of MobileMedia’s rights under the patent.

63. As a result of Defendants’ patent infringement, MobileMedia has suffered damages and irreparable injury by the Defendants’ infringement.

#### **EXCEPTIONAL CASE**

64. The allegations contained in paragraphs 1 – 63 above are repeated and realleged as if fully set forth herein.

65. Based on, among other things, the facts alleged in paragraphs 1 – 63, including Defendants’ intentional use of MobileMedia’s patented technology, Defendants’ knowledge of their infringement, and Defendants’ continued direct and/or indirect infringement, this case is exceptional under 35 U.S.C. § 285, and MobileMedia is entitled to its reasonable costs and expenses of litigation.

#### **REQUEST FOR RELIEF**

WHEREFORE, MobileMedia prays for judgment and seeks relief against the Defendants, as follows:

(a) That the Court find and declare that Defendants have infringed and/or are infringing each of the patents-in-suit in violation of 35 U.S.C. § 271;

(b) That the Court find and declare that this infringement was and continues to be willful;

(c) That the Court issue a permanent injunction against further infringement of U.S. Patent No. 5,915,239 pursuant to 35 U.S.C. § 283;

(d) That the Court award MobileMedia damages adequate to compensate for the infringement of the patents-in-suit in an amount to be determined at trial, together with interest and costs as fixed by this Court; all of those damages to be enhanced in an amount up to treble the amount of compensatory damages as this Court finds proper, for example, due to Defendants' willful infringement, as provided by 35 U.S.C. § 284;

(e) That the Court find and declare this to be an exceptional case entitling MobileMedia to reasonable attorneys' fees, costs, and disbursements pursuant to 35 U.S.C. § 285; and

(f) That the Court grants MobileMedia such other and further relief as this Court may deem just and proper.



**COLE, SCOTT & KISSANE, P.A.**

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**APPENDIX 1**

US Patent 6,427,078

List of Accused Smartphones and Mobile Phones

Galaxy S6 (Unlocked), 32 GB  
Galaxy S4 PrePaid (Verizon)  
Galaxy S6 edge+, 32GB, (Verizon)  
Galaxy S6 edge+, 32GB, (AT&T)  
Galaxy S6 edge+, 32GB, (T-Mobile)  
Galaxy S6 edge+, 32GB, (Sprint)  
Galaxy S6 edge+, 32GB, (US Cellular)  
Galaxy S6 edge+, 64GB, (US Cellular)  
Galaxy Note5, 32GB, (US Cellular)  
Galaxy Grand Prime (Metro PCS)  
Galaxy Grand Prime (AT&T), White Prepaid  
Galaxy S6 edge, 32GB, (T-Mobile)  
Galaxy S6 edge, 32GB, (AT&T)  
Galaxy S6 edge, 32GB, (Sprint)  
Galaxy S6 edge, 128GB, (Sprint)  
Galaxy S6 edge, 32GB (US Cellular)  
Galaxy S6 edge, 32GB, (Verizon)  
Galaxy S6, 32GB, (T-Mobile)  
Galaxy S6, 32GB (AT&T)  
Galaxy S6, 32GB†, (Sprint)  
Galaxy S6, 32GB†, (US Cellular)  
Galaxy S6, 32GB†, (Verizon)  
Galaxy S6, 32G†, (Cricket)  
Galaxy S6, 32GB†, (MetroPCS)  
Galaxy S6, 32G†, (Boost)  
Galaxy S6 active (AT&T)  
Galaxy Grand Prime (US Cellular)  
Galaxy Grand Prime (T-Mobile)  
Galaxy Core Prime (T-Mobile)  
Galaxy Core Prime (MetroPCS)  
Galaxy Stardust  
Galaxy Grand Prime (Sprint)  
Galaxy S4 (Boost)  
Galaxy J1 (Verizon)  
Galaxy Core Prime (Cricket)  
Galaxy Grand Prime (Cricket)  
Galaxy S5 Mini (AT&T)  
Galaxy S III, (Virgin Mobile)  
Galaxy S5 (Virgin Mobile)

Galaxy S5 (TracFone)  
Galaxy Core Prime (Virgin Mobile)  
Galaxy Core Prime (Sprint) Prepaid  
Galaxy Prevail LTE (Boost Mobile)  
Galaxy S5 Mini (U.S. Cellular)  
Galaxy Note Edge (Verizon)  
Galaxy Note Edge (AT&T)  
Galaxy Note Edge (T-Mobile)  
Galaxy Note Edge (Sprint)  
Galaxy Note Edge (U.S. Cellular)  
Galaxy Note 4 (AT&T)  
Galaxy Note 4 (Sprint)  
Galaxy Note 4 (Verizon)  
Galaxy Note 4 (T-Mobile)  
Galaxy Note 4 (US Cellular)  
Galaxy Mega 2, AT&T  
Galaxy Alpha (AT&T) Gold, White, and Black  
Galaxy Avant (Metro PCS)  
Galaxy Avant (T-Mobile)  
Galaxy S5 (Verizon)  
Galaxy S5 Active (AT&T)  
Galaxy S5 (AT&T)  
Galaxy S5 (T-Mobile)  
Galaxy S5 (Sprint)  
Galaxy S5 (MetroPCS)  
Galaxy S5 (Boost Mobile)  
Galaxy S5 (U.S. Cellular)  
Galaxy S5 (Virgin Mobile)  
Galaxy S5 (Cricket)  
Galaxy Note 3 (Verizon) (Rose Gold and Black)  
Galaxy S5 Sport (Sprint)  
Galaxy Note 3 (AT&T)  
Galaxy Note 3 (T-Mobile)  
Galaxy Note 3 (Sprint)  
Galaxy S4 Mini (Verizon)  
Galaxy S4 (Verizon)  
Galaxy S4 (Verizon), White Frost 32GB  
Galaxy S4 (Verizon), White Frost 16GB  
Galaxy S4 Mini (AT&T)  
Galaxy S4 Active (AT&T)  
Galaxy S4 (AT&T),  
Galaxy S4 (T-Mobile)  
Galaxy S4 Mini (Sprint)  
Galaxy S4 (Sprint)(Electric Blue, Purple Mirage)  
Galaxy S4 Mini (Sprint)  
Galaxy S4 (Metro PCS)

Galaxy S4 (U.S. Cellular)  
Galaxy S4 Mini (U.S. Cellular)  
Galaxy S4 (Cricket)  
Galaxy S4 Mini (Straight Talk)  
Galaxy S4 (Straight Talk)  
Galaxy S4 Mini (Generic)  
Galaxy S4 (Generic)  
Galaxy S4 (C Spire)  
Galaxy S4 zoom  
Galaxy Note II (Verizon)  
Galaxy Note II (AT&T)  
Galaxy Note II (T-Mobile)  
Galaxy Note II (Sprint)  
Galaxy Note® II (U.S. Cellular)  
Galaxy S III (Verizon)  
Galaxy S III Mini (Verizon)  
Galaxy S III Mini (AT&T)  
Galaxy S III (T-Mobile 4G LTE)  
Galaxy S III (Sprint)  
Galaxy S III (U.S. Cellular)  
Galaxy S III (C Spire)  
Galaxy S III (Straight Talk)  
Galaxy S III (Generic)  
Galaxy S III (Generic)  
Galaxy S II 4G (Virgin Mobile)  
Galaxy S II (Net10 and Straight Talk)  
Galaxy S II (CDMA Generic)  
Galaxy S III Prepaid (Verizon)  
Galaxy S III (Sprint)  
Galaxy S III (Boost Mobile)  
Galaxy S III (Virgin Mobile)  
Galaxy S III (Net 10 and Straight Talk)  
Galaxy Stratosphere II (Verizon)  
Galaxy Stellar (Verizon)  
Galaxy Legend (Verizon)  
Brightside (Verizon), Sapphire Blue  
ATIV Odyssey (Verizon)  
Ativ S Neo (AT&T)  
Galaxy Mega (AT&T)  
Galaxy Express (AT&T)  
Galaxy Rugby Pro (AT&T)  
SGH-T199 (T-Mobile)  
Galaxy S Relay 4G (T-Mobile)  
Galaxy Light (T-Mobile)  
Galaxy Exhibit (T-Mobile)  
Galaxy S Blaze 4G (T-Mobile)

Galaxy Mega (Sprint)  
Ativ S Neo (Sprint)  
Galaxy Victory 4G LTE (Sprint)  
Galaxy Mega (Metro PCS)  
Galaxy Mega (U.S. Cellular)  
ATIV Odyssey (U.S. Cellular)  
Google Galaxy Nexus (Generic GSM)  
Galaxy Proclaim (Net10 and StraightTalk)  
Mondi (Alltel)  
Messenger Touch (Generic CDMA)  
ATIV SE  
Galaxy Appeal  
Reality Touchscreen  
Intensity II  
Focus 2  
Rugby  
Galaxy Exhilarate  
Continuum i400  
Galaxy Express GoPhone (AT&T)  
Caliber (Metro PCS)  
Galaxy Prevail 2 (Boost Mobile)  
Galaxy S II 4G (Boost Mobile)  
Galaxy Rush (Boost Mobile)  
Replenish (Boost Mobile)  
Galaxy Ring (Virgin Mobile)  
Galaxy Victory 4G LTE (Virgin Mobile)  
Galaxy Reverb (Virgin Mobile)  
Galaxy Centura (Straight Talk)  
Galaxy Discover (Net10)  
I8000 Omnia II  
i8910 Omnia HD  
i900 Omnia  
B7610 OmniaPRO  
B7320 OmniaPRO  
SGH-a657  
SGH-a637  
SGH-t119  
Gravity (SGH-t459)  
SCH-r211 Spex  
Alias2 (SCH-U750)  
SCH-r800 Delve  
Instinct s30 (SPH-m810)  
Instinct (SPH-m800)  
Impression (SGH-a877)  
Eternity (SGH-a867)  
Instinct (SPH-m800)

Memoir (SGH-t929)  
Omnia (SCH-i910)  
Behold (SGH-t919)  
SCH-r810 Finesse  
Glyde (SCH-u940)  
SGH-a777  
Propel (SGH-a767)  
Highnote (SPH-m630)  
SGH-t239  
Rant (SPH-m540)  
Trance (SCH-u490)  
Sway (SCH-u650)  
Access (SGH-a827)  
SCH-r450 Messenger  
SCH-r470 TwoStep  
SGH-y819  
SCH-r610  
SGH-d806  
SGH-t301G  
SCH-r400  
SPH-m340  
SPH-m520  
SGH-al67  
Smooth (SCH-u350)  
SPH-m220  
Rugby (SGH-a837)  
SPH-m320  
Renown (SCH-u810)  
SGH-al37  
SGH-a237  
SPH-z400  
SCH-r311 Axle  
SCH-r420 Tint  
SCH-r460 MyShot II  
SCH-r600  
SCH-u430  
SGH-tl09  
Knack (SCH-u310)  
SGH-a227  
SGH-t339  
SCH-r310 Byline  
SCH-r550 JetSet  
SCH-u440 Gloss  
SGH-t229  
Alias (SCH-u740)  
SCH-r430 MyShot

SCH-u550  
SCH-r600 Hue II  
SCH-r430 MySho  
SCH-r430 MyShot  
SCH-r430  
SCH-u706 Muse  
SCH-a870  
SCH-u520  
Rugby 4 (AT&T) Flip Phone  
Convoy 3 (Verizon)  
Intensity III (Verizon)  
Gusto 2 (Verizon)  
Rugby III (AT&T) Flip Phone  
t159 (T-Mobile) Cell Phone  
M400 (Sprint) Cell Phone  
Array (Sprint)  
S390G (TracFone)  
S125G (TracFone)  
S425G (TracFone)  
t404 (TracFone)  
r375c (TracFone)  
Freeform M (Metro PCS)  
Chrono 2 (U.S. Cellular)  
S336C (Straight Talk)  
Freeform 5 (Generic)  
S380C (Straight Talk)  
Chrono 2 (Generic)  
Entro (PayLo)  
Freeform 4 (CDMA Generic)  
Montage (PayLo)  
Restore (PayLo)  
Freeform (Alltel)  
Smooth (Alltel)  
DoubleTake (Alltel)  
Contour (Generic CDMA)  
SM-B311V  
a157 Cell Phone  
m370 Cell Phone  
Rugby II  
Smiley :)  
Haven  
Gusto  
Gravity Touch  
SGH-T199 (T-Mobile)  
Array (Sprint) Prepaid  
S150G (TracFone)

S275G (TracFone)  
Array (Boost Mobile)  
Jitterbug Plus (Great Call)  
r455 (Net10)  
SPH-a580 (Trumpet)  
SPH-z640 (Trumpet)  
SCH-a870  
SCH-u250  
SPH-a310  
SPH-a420  
SPH-a640

*AT & T phones, including:*

Flight (SGH-a797)  
Mythic (SGH-a897)  
Solstice (SGH-a887)  
Jack (SGH-i637)  
SGH-al77  
SGH-al67  
Magnet (SGH-a257)  
PropelPro (SGH-i627)  
SGH-a657  
Impression (SGH-a877)  
Eternity (SGH-a867)  
SGH-a777  
Propel (SGH-a767)  
Epix (SGH-i907)  
SGH-a637  
Rugby (SGH-a837)  
SGH-al37  
SGH-1237  
SGH-a227  
Access (SGH-a827)

*Sprint phones, including:*

Reclaim (SPH-m560)  
Moment (SPH-m900)  
Intrepid (SPH-i350)  
SPH-m240  
SPH-m330  
Exclaim (SPH-m550)  
Instinct s30 (SPH-m810)  
Instinct HD (SPH-m-850)  
Instinct (SPH-m800)



Highnote (SPH-m360)  
Rant (SPH-m540)  
SPH-m220  
SPH-m320  
XOHM (SWC-e100)  
AIRA VE (SCS-26UC)  
SPH-z400  
ACE (SPH-i325)

*Verizon phones, including:*

Omnia II (SCH-i920)  
Convoy (SCH-u640)  
Intensity (SCH-u450)  
Rogue (SCH-u960)  
Alias2 (SCH-u750)  
Smooth (SCH-u350)  
Trance (SCH-u490)  
Renown (SCH-u810)  
SCH-u340  
Omnia (SCH-i910)  
Saga (SCH-i770)  
Sway (SCH-u650)  
SCH-u430  
Knack (SCH-u310)  
Glyde (SCH-u940)  
Alias (SCH-u740)  
SCH-u550

*T-Mobile phones, including:*

SGH-t139  
Behold II (SGH-t939)  
SGH-t659  
Gravity2 (SGH-t469)  
Comeback (SGH-t559)  
SGH-t349  
SGH-t239  
SGH-t119  
Highlight (SGH-t749)  
Memoir (SGH-t929)  
Gravity (SGH-t459)  
Behold (SGH-t919)  
SGH-t109  
SGH-t339  
SGH-t229  
SGH-t819

*Alltel phones, Including:*

SCH-u450 Double Take  
SCH-u350 Glint  
SCH-r351 Freeform  
SCH-r800 Delve  
SCH-r600 Hue  
SCH-r430 MyShot  
SCH-r706

*Metro PCS phones, including:*

SCH-r860 Caliber  
SCH-rl00 Stunt  
SCH-r350 Freeform  
SCH-i220 Code  
SCH-r560 Messenger II  
SCH-r420 Tint  
SCH-r81 0 Finesse  
SCH-r310 Byline  
SCH-r450 Messenger  
SCH-r430 MyShot  
SCH-r210 Spex  
SCH-r400  
SCH-u520

*US. Cellular phones, including:*

SCH-r850 Calber  
SCH-r520 Trill  
SCH-r311 Axle  
SCH-u440 Gloss  
SCH-r470 TwoStep  
SCH-r800 Delve  
SCH-r210 Spex  
SCH-r610  
SCH-a870

*Cricket phones, including:*

SCH-r560 Messenger II  
SCH-r460 MyShot II  
SCH-r211  
SCH-r550 JetSet  
SCH-r450 Messenger  
SCH-r210 Spex  
SCH-r430 MyShot  
SCH-u430

*Open/Generic GSM phones, including*

SGH-t459 Strike  
SGH-d806 (unlocked)

*Generic CDMA phones, including:*

SCH-RIOO  
SCH-r520 Trill (unlocked)  
SCH-r460 MyShot (unlocked)  
SCH-r350 Freeform (unlocked)  
SCH-r300  
SCH-r600 (unlocked)  
SCH-r810 Finesse (unlocked)  
SCH-r430 (unlocked)  
SCH-r500

*Virgin Mobile phones, including:*

SPH-m310  
SPH-m340 Mantra

*CLEAR phones, including:*

Mondi SWD-mlOO

*Time Warner phones, including:*

Mondi SvVD-mlOO

*TracFone phones, including*

SCH-r81 0 Finesse  
SCH-r451C  
SGH-t401G  
SGH-tlOIG  
SGH-t201G  
SGH-t301G

US Patent 6,427,078

List of Accused PCs, Netbooks, Chromebooks, and Tablets

Galaxy Tab S2 9.7" 32GB (Wi-Fi)  
Galaxy Tab S2 8.0" 32GB (Wi-Fi)  
Galaxy Tab S2 NOOK 8.0" 32GB (Wi-Fi)  
Galaxy Tab S2 9.7" 32GB (AT&T)  
Galaxy Tab S2 9.7" 32GB (Sprint)  
Galaxy Tab S2 9.7" 32GB (Sprint)  
Galaxy Tab S2 9.7" 32GB (US Cellular)  
Galaxy Tab S2 9.7" 32GB (Verizon)  
Galaxy View 18.4" 32GB (Wi-Fi)

Galaxy View 18.4" 64GB (AT&T)  
Kids Tab 3 Lite 7.0" 8GB (Wi-Fi)  
Galaxy Tab E 9.6" 16GB (Wi-Fi)  
Galaxy Tab E NOOK® 9.6" 16GB (Wi-Fi)  
Galaxy Tab E 8.0" 16GB (Sprint)  
Galaxy Tab E 8.0" 16GB (US Cellular)  
Galaxy Tab E 9.6" 16GB (Verizon)  
Galaxy Tab E 8" 16GB (Verizon)  
Galaxy Tab A 9.7" 16GB (Wi-Fi) with S Pen  
Galaxy Tab A 9.7" 16GB (Wi-Fi)  
Galaxy Tab A 8.0" 16GB (Wi-Fi)  
Galaxy Tab S 10.5" 16GB (Wi-Fi)  
Galaxy Tab S 8.4" 16GB (Wi-Fi)  
Galaxy Tab S 8.4" 16GB (Wi-Fi)  
Galaxy Tab S 10.5 (Sprint)  
Galaxy Tab S 10.5 (T-Mobile)  
Galaxy Tab S 10.5, (U.S. Cellular)  
Galaxy Tab S 10.5 (Verizon)  
Galaxy Tab S 8.4", AT&T  
Galaxy Tab S 8.4 (Compatible with Verizon's Network)(Titanium Bronze and Dazzling White)  
Galaxy Tab Pro 12.2" 32GB (Wi-Fi)  
Galaxy Tab 4 7.0" 8GB (Wi-Fi)  
Galaxy Tab 4 NOOK 10.1" 16GB (Wi-Fi)  
Galaxy Tab 4 NOOK 7.0" 8GB (Wi-Fi)  
Galaxy Tab 4 8.0 (AT&T)  
Galaxy Tab 3 Lite 7.0" 8GB (Wi-Fi)  
Galaxy Tab 3 Lite 7.0" 8GB (Wi-Fi)  
Galaxy Tab 3 7.0 (Sprint)(White and Midnight Black)  
ATIV Smart PC (AT&T)  
Galaxy Tab 4 10.1" 16GB (Wi-Fi)  
Galaxy Tab S 10.5" 32GB (Wi-Fi)  
Galaxy Note Pro 12.2" 64GB (Wi-Fi)  
Galaxy Note Pro 12.2" 32GB (Wi-Fi)  
Galaxy Note 10.1" 2014 Edition 32GB (Wi-Fi)  
Galaxy Note 10.1" 2014 Edition 16GB (Wi-Fi)  
Galaxy Tab Pro 10.1" 32GB (Wi-Fi),  
Galaxy Tab® Pro 10.1 16GB (Wi-Fi)  
Galaxy Tab 4 10.1 16GB, Black (U.S. Cellular)  
Galaxy Tab 4 7.0, Ebony Black (Sprint)  
Notebook 9 (13.3" LED Full HD / Core™ i5)  
Notebook 9 (15" LED Full HD / Core™ i7)  
Notebook 9 pro (15.6" LED UHD / Core™ i7)  
Notebook 9 spin (13.3" LED QHD+ / Core™ i7)  
ATIV Book 9 (12.2" LED WQXGA / Core™ M)  
ATIV Book 9 (12.2" LED WQXGA / Core™ M)  
ATIV Book 9 Plus (13.3" QHD+ Touch / Core™ i5)

ATIV Book 9 Plus 13.3"  
ATIV One 7 Curved (27.0" LED Full HD / Core™ i5)  
Samsung Chromebook 2 11.6"  
Samsung Chromebook 2 13.3"  
Samsung Chromebook 2 11.6"  
Samsung Chromebook  
Chromebook 3 11.6"  
N510-13P  
R519-53S  
R620-64G  
Q320-32P  
X460-43PW  
P560-52P  
X460-43PW  
NI40-14R  
NI40-14B  
N130-13P  
N130-13B  
N310-13GBK  
N310-13GBK  
N310-13GO  
N310-GMB  
NCIO-13GB  
NCIO-13P  
NI20-13GBL  
NI20-12GBK  
NI20-12GW  
NCIO-12PWBK  
NCIO-11GP  
NI10-12PBK  
NCIO-14GB  
QIEX-71G  
QIUP-V  
QIU-XP  
QIU-ELXP  
N315-Blue  
N210-White  
NB30-Black  
NI50-Red  
NI50-Black  
NI50-Blue  
N135-Blue  
R780-Red  
R530-Red  
R430-Black  
R620-64BR

**APPENDIX 2**

US Patent 5,915,239

List of Accused Smartphones and Mobile Phones

Galaxy S7 Edge, 32 GB (AT&T)  
Galaxy S7 Edge, 32 GB (Verizon)  
Galaxy S7 Edge, 32 GB (Sprint)  
Galaxy S7 Edge, 32 GB (T-Mobile)  
Galaxy S7 Edge, 32 GB (US Cellular)  
Galaxy S7, 32 GB (AT&T)  
Galaxy S7, 32 GB (Verizon)  
Galaxy S7, 32 GB (Sprint)  
Galaxy S7, 32 GB (T-Mobile)  
Galaxy S7, 32 GB (US Cellular)  
Galaxy S7, 32 GB (Metro PCS)  
Galaxy S7, 32 GB (Cricket)  
Galaxy S7, 32 GB (Boost)  
Galaxy S7, 32 GB (Virgin Mobile)  
Galaxy J3 (Virgin Mobile)  
Galaxy J3 (Boost)  
Galaxy S6, 32 GB (TracPhone)  
Galaxy Note 5, 32 GB (AT&T)  
Galaxy Note 5, 64 GB (AT&T)  
Galaxy Note 5, 32 GB (Sprint)  
Galaxy Note 5, 32 GB (T-Mobile)  
Galaxy Note 5, 32 GB (US Cellular)  
Galaxy Note 5, 32 GB (Verizon)  
Galaxy Note 5, 64 GB (T-Mobile)  
Galaxy Note 5, 32 GB (T-Mobile)  
Galaxy S6 (Unlocked), 32 GB  
Galaxy S4 PrePaid (Verizon)  
Galaxy S6 edge+, 32GB, (Verizon)  
Galaxy S6 edge+, 32GB, (AT&T)  
Galaxy S6 edge+, 32GB, (T-Mobile)  
Galaxy S6 edge+, 32GB, (Sprint)  
Galaxy S6 edge+, 32GB, (US Cellular)  
Galaxy S6 edge+, 64GB, (US Cellular)  
Galaxy Note5, 32GB, (US Cellular)  
Galaxy Grand Prime (Metro PCS)  
Galaxy Grand Prime (AT&T), White Prepaid  
Galaxy S6 edge, 32GB, (T-Mobile)  
Galaxy S6 edge, 32GB, (AT&T)  
Galaxy S6 edge, 32GB, (Sprint)

Galaxy S6 edge, 128GB, (Sprint)  
Galaxy S6 edge, 32GB (US Cellular)  
Galaxy S6 edge, 32GB, (Verizon)  
Galaxy S6, 32GB, (T-Mobile)  
Galaxy S6, 32GB (AT&T)  
Galaxy S6, 32GB†, (Sprint)  
Galaxy S6, 32GB†, (US Cellular)  
Galaxy S6, 32GB†, (Verizon)  
Galaxy S6, 32G†, (Cricket)  
Galaxy S6, 32GB†, (MetroPCS)  
Galaxy S6, 32G†, (Boost)  
Galaxy S6 active (AT&T)  
Galaxy Grand Prime (US Cellular)  
Galaxy Grand Prime (T-Mobile)  
Galaxy Core Prime (T-Mobile)  
Galaxy Core Prime (MetroPCS)  
Galaxy Stardust  
Galaxy Grand Prime (Sprint)  
Galaxy S4 (Boost)  
Galaxy J1 (Verizon)  
Galaxy Core Prime (Cricket)  
Galaxy Grand Prime (Cricket)  
Galaxy S5 Mini (AT&T)  
Galaxy S III, (Virgin Mobile)  
Galaxy S5 (Virgin Mobile)  
Galaxy S5 (TracFone)  
Galaxy Core Prime (Virgin Mobile)  
Galaxy Core Prime (Sprint) Prepaid  
Galaxy Prevail LTE (Boost Mobile)  
Convoy 3 - No Camera, (Verizon)  
Galaxy S5 Mini (U.S. Cellular)  
Galaxy Note Edge (Verizon)  
Galaxy Note Edge (AT&T)  
Galaxy Note Edge (T-Mobile)  
Galaxy Note Edge (Sprint)  
Galaxy Note Edge (U.S. Cellular)  
Galaxy Note 4 (AT&T)  
Galaxy Note 4 (Sprint)  
Galaxy Note 4 (Verizon)  
Galaxy Note 4 (T-Mobile)  
Galaxy Note 4 (US Cellular)  
Galaxy Mega 2, AT&T  
Galaxy Alpha (AT&T) Gold, White, and Black  
Galaxy Avant (Metro PCS)  
Galaxy Avant (T-Mobile)  
Galaxy S5 (Verizon)

Galaxy S5 Active (AT&T)  
Galaxy S5 (AT&T)  
Galaxy S5 (T-Mobile)  
Galaxy S5 (Sprint)  
Galaxy S5 (MetroPCS)  
Galaxy S5 (Boost Mobile)  
Galaxy S5 (U.S. Cellular)  
Galaxy S5 (Virgin Mobile)  
Galaxy S5 (Cricket)  
Galaxy Note 3 (Verizon) (Rose Gold and Black)  
Galaxy S5 Sport (Sprint)  
Galaxy Note 3 (AT&T)  
Galaxy Note 3 (T-Mobile)  
Galaxy Note 3 (Sprint)  
Galaxy S4 Mini (Verizon)  
Galaxy S4 (Verizon)  
Galaxy S4 (Verizon), White Frost 32GB  
Galaxy S4 (Verizon), White Frost 16GB  
Galaxy S4 Mini (AT&T)  
Galaxy S4 Active (AT&T)  
Galaxy S4 (AT&T),  
Galaxy S4 (T-Mobile)  
Galaxy S4 Mini (Sprint)  
Galaxy S4 (Sprint)(Electric Blue, Purple Mirage)  
Galaxy S4 Mini (Sprint)  
Galaxy S4 (Metro PCS)  
Galaxy S4 (U.S. Cellular)  
Galaxy S4 Mini (U.S. Cellular)  
Galaxy S4 (Cricket)  
Galaxy S4 Mini (Straight Talk)  
Galaxy S4 (Straight Talk)  
Galaxy S4 Mini (Generic)  
Galaxy S4 (Generic)  
Galaxy S4 (C Spire)  
Galaxy S4 zoom  
Galaxy Note II (Verizon),  
Galaxy Note II (AT&T)  
Galaxy Note II (T-Mobile)  
Galaxy Note II (Sprint),  
Galaxy Note® II (U.S. Cellular)  
Galaxy S III (Verizon)  
Galaxy S III Mini (Verizon)  
Galaxy S III Mini (AT&T)  
Galaxy S III (T-Mobile 4G LTE)  
Galaxy S III (Sprint)  
Galaxy S III (U.S. Cellular)



Galaxy S III (C Spire)  
Galaxy S III (Straight Talk)  
Galaxy S III (Generic)  
Galaxy S III (Generic)  
Galaxy S II 4G (Virgin Mobile)  
Galaxy S II (Net10 and Straight Talk)  
Galaxy S II (CDMA Generic)  
Galaxy S III Prepaid (Verizon)  
Galaxy S III (Sprint)  
Galaxy S III (Boost Mobile)  
Galaxy S III (Virgin Mobile)  
Galaxy S III (Net 10 and Straight Talk)  
Galaxy Stratosphere II (Verizon)  
Galaxy Stellar (Verizon)  
Galaxy Legend (Verizon)  
Brightside (Verizon), Sapphire Blue  
ATIV Odyssey (Verizon)  
Ativ S Neo (AT&T)  
Galaxy Mega (AT&T)  
Galaxy Express (AT&T)  
Galaxy Rugby Pro (AT&T)  
SGH-T199 (T-Mobile)  
Galaxy S Relay 4G (T-Mobile)  
Galaxy Light (T-Mobile)  
Galaxy Exhibit (T-Mobile)  
Galaxy S Blaze 4G (T-Mobile)  
Galaxy Mega (Sprint),  
Ativ S Neo (Sprint)  
Galaxy Victory 4G LTE (Sprint)  
Galaxy Mega (Metro PCS)  
Galaxy Mega (U.S. Cellular)  
ATIV Odyssey (U.S. Cellular)  
Google Galaxy Nexus (Generic GSM)  
Galaxy Proclaim (Net10 and StraightTalk)  
Mondi (Alltel)  
Messenger Touch (Generic CDMA)  
ATIV SE  
Galaxy Appeal  
Reality Touchscreen  
Intensity II  
Focus 2  
Rugby  
Galaxy Exhilarate  
Continuum i400  
Galaxy Express GoPhone (AT&T)  
Caliber (Metro PCS)

Galaxy Prevail 2 (Boost Mobile)  
Galaxy S II 4G (Boost Mobile)  
Galaxy Rush (Boost Mobile)  
Replenish (Boost Mobile)  
Galaxy Ring (Virgin Mobile)  
Galaxy Victory 4G LTE (Virgin Mobile)  
Galaxy Reverb (Virgin Mobile)  
Galaxy Centura (Straight Talk)  
Galaxy Discover (Net10)  
I8000 Omnia II  
i8910 Omnia HD  
i900 Omnia  
B7610 OmniaPRO  
B7320 OmniaPRO  
SGH-a657  
SGH-a637  
SGH-t119  
Gravity (SGH-t459)  
SCH-r211 Spex  
Alias2 (SCH-U750)  
SCH-r800 Delve  
Instinct s30 (SPH-m810)  
Instinct (SPH-m800)  
Impression (SGH-a877)  
Eternity (SGH-a867)  
Instinct (SPH-m800)  
Memoir (SGH-t929)  
Omnia (SCH-i910)  
Behold (SGH-t919)  
SCH-r810 Finesse  
Glyde (SCH-u940)  
SGH-a777  
Propel (SGH-a767)  
Highnote (SPH-m630)  
SGH-t239  
Rant (SPH-m540)  
Trance (SCH-u490)  
Sway (SCH-u650)  
Access (SGH-a827)  
SCH-r450 Messenger  
SCH-r470 TwoStep  
SGH-y819  
SCH-r610  
SGH-d806  
SGH-t301G  
SCH-r400

SPH-m340  
SPH-m520  
SGH-al67  
Smooth (SCH-u350)  
SPH-m220  
Rugby (SGH-a837)  
SPH-m320  
Renown (SCH-u810)  
SGH-al37  
SGH-a237  
SPH-z400  
SCH-r311 Axle  
SCH-r420 Tint  
SCH-r460 MyShot II  
SCH-r600  
SCH-u430  
SGH-tl09  
Knack (SCH-u310)  
SGH-a227  
SGH-t339  
SCH-r310 Byline  
SCH-r550 JetSet  
SCH-u440 Gloss  
SGH-t229  
Alias (SCH-u740)  
SCH-r430 MyShot  
SCH-u550  
SCH-r600 Hue II  
SCH-r430 MyShot  
SCH-r430 MyShot  
SCH-r430  
SCH-u706 Muse  
SCH-a870  
SCH-u520  
Rugby 4 (AT&T) Flip Phone  
Convoy 3 (Verizon)  
Intensity III (Verizon)  
Gusto 2 (Verizon)  
Rugby III (AT&T) Flip Phone  
t159 (T-Mobile) Cell Phone  
M400 (Sprint) Cell Phone  
Array (Sprint)  
S390G (TracFone)  
S125G (TracFone)  
S425G (TracFone)  
t404 (TracFone)

r375c (TracFone)  
Freeform M (Metro PCS)  
Chrono 2 (U.S. Cellular)  
S336C (Straight Talk)  
Freeform 5 (Generic)  
S380C (Straight Talk)  
Chrono 2 (Generic)  
Entro (PayLo)  
Freeform 4 (CDMA Generic)  
Montage (PayLo)  
Restore (PayLo)  
Freeform (Alltel)  
Smooth (Alltel)  
DoubleTake (Alltel)  
Contour (Generic CDMA)  
SM-B311V  
a157 Cell Phone  
m370 Cell Phone  
Rugby II  
Smiley :)  
Haven  
Gusto  
Gravity Touch  
SGH-T199 (T-Mobile)  
Array (Sprint) Prepaid  
S150G (TracFone)  
S275G (TracFone)  
Array (Boost Mobile)  
Jitterbug Plus (Great Call)  
r455 (Net10)  
SPH-a580 (Trumpet)  
SPH-z640 (Trumpet)  
SCH-a870  
SCH-u250  
SPH-a310  
SPH-a420  
SPH-a640

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Flight (SGH-a797)  
Mythic (SGH-a897)  
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Jack (SGH-i637)  
SGH-al77  
SGH-al67  
Magnet (SGH-a257)

PropelPro (SGH-i627)  
SGH-a657  
Impression (SGH-a877)  
Eternity (SGH-a867)  
SGH-a777  
Propel (SGH-a767)  
Epix (SGH-i907)  
SGH-a637  
Rugby (SGH-a837)  
SGH-al37  
SGH-1237  
SGH-a227  
Access (SGH-a827)

*Sprint phones, including:*

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Moment (SPH-m900)  
Intrepid (SPH-i350)  
SPH-m240  
SPH-m330  
Exclaim (SPH-m550)  
Instinct s30 (SPH-m810)  
Instinct HD (SPH-m-850)  
Instinct (SPH-m800)  
Highnote (SPH-m360)  
Rant (SPH-m540)  
SPH-m220  
SPH-m320  
XOHM (SWC-elOO)  
AIRA VE (SCS-26UC)  
SPH-z400  
ACE (SPH-i325)

*Verizon phones, including:*

Omnia II (SCH-i920)  
Convoy (SCH-u640)  
Intensity (SCH-u450)  
Rogue (SCH-u960)  
Alias2 (SCH-u750)  
Smooth (SCH-u350)  
Trance (SCH-u490)  
Renown (SCH-u810)  
SCH-u340  
Omnia (SCH-i910)  
Saga (SCH-i770)  
Sway (SCH-u650)

SCH-u430  
Knack (SCH-u310)  
Glyde (SCH-u940)  
Alias (SCH-u740)  
SCH-u550

*T-Mobile phones, including:*

SGH-t139  
Behold II (SGH-t939)  
SGH-t659  
Gravity2 (SGH-t469)  
Comeback (SGH-t559)  
SGH-t349  
SGH-t239  
SGH-t119  
Highlight (SGH-t749)  
Memoir (SGH-t929)  
Gravity (SGH-t459)  
Behold (SGH-t919)  
SGH-t109  
SGH-t339  
SGH-t229  
SGH-t819

*Alltel phones, Including:*

SCH-u450 Double Take  
SCH-u350 Glint  
SCH-r351 Freeform  
SCH-r800 Delve  
SCH-r600 Hue  
SCH-r430 MyShot  
SCH-r706

*Metro PCS phones, including:*

SCH-r860 Caliber  
SCH-rlOO Stunt  
SCH-r350 Freeform  
SCH-i220 Code  
SCH-r560 Messenger II  
SCH-r420 Tint  
SCH-r81 0 Finesse  
SCH-r310 Byline  
SCH-r450 Messenger  
SCH-r430 MyShot  
SCH-r210 Spex  
SCH-r400

SCH-u520

*US. Cellular phones, including:*

SCH-r850 Calber  
SCH-r520 Trill  
SCH-r311 Axle  
SCH-u440 Gloss  
SCH-r470 TwoStep  
SCH-r800 Delve  
SCH-r210 Spex  
SCH-r610  
SCH-a870

*Cricket phones, including:*

SCH-r560 Messenger II  
SCH-r460 MyShot II  
SCH-r211  
SCH-r550 JetSet  
SCH-r450 Messenger  
SCH-r210 Spex  
SCH-r430 MyShot  
SCH-u430

*Open/Generic GSM phones, including*

SGH-t459 Strike  
SGH-d806 (unlocked)

*Generic CDMA phones, including:*

SCH-RIOO  
SCH-r520 Trill (unlocked)  
SCH-r460 MyShot (unlocked)  
SCH-r350 Freeform (unlocked)  
SCH-r300  
SCH-r600 (unlocked)  
SCH-r810 Finesse (unlocked)  
SCH-r430 (unlocked)  
SCH-r500

*Virgin Mobile phones, including:*

SPH-m310  
SPH-m340 Mantra

*CLEAR phones, including:*

Mondi SWD-mlOO

*Time Warner phones, including:*

Mondi SvVD-mlOO

*TracFone phones, including*

SCH-r81 0 Finesse

SCH-r451C

SGH-t401G

SGH-tlOIG

SGH-t201G

SGH-t301G



**APPENDIX 3**

US Patent 5,553,125

List of Accused Smartphones and Mobile Phones

Galaxy S4 Mini (Verizon)  
Galaxy S4 (Verizon)  
Galaxy S4 (Verizon), White Frost 32GB  
Galaxy S4 (Verizon), White Frost 16GB  
Galaxy S4 Mini (AT&T)  
Galaxy S4 Active (AT&T)  
Galaxy S4 (AT&T),  
Galaxy S4 (T-Mobile)  
Galaxy S4 Mini (Sprint)  
Galaxy S4 (Sprint)(Electric Blue, Purple Mirage)  
Galaxy S4 Mini (Sprint)  
Galaxy S4 (Metro PCS)  
Galaxy S4 (U.S. Cellular)  
Galaxy S4 Mini (U.S. Cellular)  
Galaxy S4 (Cricket)  
Galaxy S4 Mini (Straight Talk)  
Galaxy S4 (Straight Talk)  
Galaxy S4 Mini (Generic)  
Galaxy S4 (Generic)  
Galaxy S4 (C Spire)  
Galaxy S4 zoom  
Galaxy Note II (Verizon)  
Galaxy Note II (AT&T)  
Galaxy Note II (T-Mobile)  
Galaxy Note II (Sprint)  
Galaxy Note® II (U.S. Cellular)  
Galaxy S III (Verizon)  
Galaxy S III Mini (Verizon)  
Galaxy S III Mini (AT&T)  
Galaxy S III (T-Mobile 4G LTE)  
Galaxy S III (Sprint)  
Galaxy S III (U.S. Cellular)  
Galaxy S III (C Spire)  
Galaxy S III (Straight Talk)  
Galaxy S III (Generic)  
Galaxy S III (Generic)  
Galaxy S II 4G (Virgin Mobile)  
Galaxy S II (Net10 and Straight Talk)  
Galaxy S II (CDMA Generic)

Galaxy S III Prepaid (Verizon)  
Galaxy S III (Sprint)  
Galaxy S III (Boost Mobile)  
Galaxy S III (Virgin Mobile)  
Galaxy S III (Net 10 and Straight Talk)  
Galaxy Stratosphere II (Verizon)  
Galaxy Stellar (Verizon)  
Galaxy Legend (Verizon)  
Brightside (Verizon), Sapphire Blue  
ATIV Odyssey (Verizon)  
Ativ S Neo (AT&T)  
Galaxy Mega (AT&T)  
Galaxy Express (AT&T)  
Galaxy Rugby Pro (AT&T)  
SGH-T199 (T-Mobile)  
Galaxy S Relay 4G (T-Mobile)  
Galaxy Light (T-Mobile)  
Galaxy Exhibit (T-Mobile)  
Galaxy S Blaze 4G (T-Mobile)  
Galaxy Mega (Sprint)  
Ativ S Neo (Sprint)  
Galaxy Victory 4G LTE (Sprint)  
Galaxy Mega (Metro PCS)  
Galaxy Mega (U.S. Cellular)  
ATIV Odyssey (U.S. Cellular)  
Google Galaxy Nexus (Generic GSM)  
Galaxy Proclaim (Net10 and StraightTalk)  
Mondi (Alltel)  
Messenger Touch (Generic CDMA)  
ATIV SE  
Galaxy Appeal  
Reality Touchscreen  
Intensity II  
Focus 2  
Rugby  
Galaxy Exhilarate  
Continuum i400  
Galaxy Express GoPhone (AT&T)  
Caliber (Metro PCS)  
Galaxy Prevail 2 (Boost Mobile)  
Galaxy S II 4G (Boost Mobile)  
Galaxy Rush (Boost Mobile)  
Replenish (Boost Mobile)  
Galaxy Ring (Virgin Mobile)  
Galaxy Victory 4G LTE (Virgin Mobile)  
Galaxy Reverb (Virgin Mobile)

Galaxy Centura (Straight Talk)  
Galaxy Discover (Net10)  
I8000 Omnia II  
i8910 Omnia HD  
i900 Omnia  
B7610 OmniaPRO  
B7320 OmniaPRO  
SGH-a657  
SGH-a637  
SGH-t119  
Gravity (SGH-t459)  
SCH-r211 Spex  
Alias2 (SCH-U750)  
SCH-r800 Delve  
Instinct s30 (SPH-m810)  
Instinct (SPH-m800)  
Impression (SGH-a877)  
Eternity (SGH-a867)  
Instinct (SPH-m800)  
Memoir (SGH-t929)  
Omnia (SCH-i910)  
Behold (SGH-t919)  
SCH-r810 Finesse  
Glyde (SCH-u940)  
SGH-a777  
Propel (SGH-a767)  
Highnote (SPH-m630)  
SGH-t239  
Rant (SPH-m540)  
Trance (SCH-u490)  
Sway (SCH-u650)  
Access (SGH-a827)  
SCH-r450 Messenger  
SCH-r470 TwoStep  
SGH-y819  
SCH-r610  
SGH-d806  
SGH-t301G  
SCH-r400  
SPH-m340  
SPH-m520  
SGH-al67  
Smooth (SCH-u350)  
SPH-m220  
Rugby (SGH-a837)  
SPH-m320

Renown (SCH-u810)  
SGH-al37  
SGH-a237  
SPH-z400  
SCH-r311 Axle  
SCH-r420 Tint  
SCH-r460 MyShot II  
SCH-r600  
SCH-u430  
SGH-tl09  
Knack (SCH-u310)  
SGH-a227  
SGH-t339  
SCH-r310 Byline  
SCH-r550 JetSet  
SCH-u440 Gloss  
SGH-t229  
Alias (SCH-u740)  
SCH-r430 MyShot  
SCH-u550  
SCH-r600 Hue II  
SCH-r430 MySho  
SCH-r430 MyShot  
SCH-r430  
SCH-u706 Muse  
SCH-a870  
SCH-u520  
Rugby 4 (AT&T) Flip Phone  
Convoy 3 (Verizon)  
Intensity III (Verizon)  
Gusto 2 (Verizon)  
Rugby III (AT&T) Flip Phone  
t159 (T-Mobile) Cell Phone  
M400 (Sprint) Cell Phone  
Array (Sprint)  
S390G (TracFone)  
S125G (TracFone)  
S425G (TracFone)  
t404 (TracFone)  
r375c (TracFone)  
Freeform M (Metro PCS)  
Chrono 2 (U.S. Cellular)  
S336C (Straight Talk)  
Freeform 5 (Generic)  
S380C (Straight Talk)  
Chrono 2 (Generic)

Entro (PayLo)  
Freeform 4 (CDMA Generic)  
Montage (PayLo)  
Restore (PayLo)  
Freeform (Alltel)  
Smooth (Alltel)  
DoubleTake (Alltel)  
Contour (Generic CDMA)  
SM-B311V  
a157 Cell Phone  
m370 Cell Phone  
Rugby II  
Smiley :)  
Haven  
Gusto  
Gravity Touch  
SGH-T199 (T-Mobile)  
Array (Sprint) Prepaid  
S150G (TracFone)  
S275G (TracFone)  
Array (Boost Mobile)  
Jitterbug Plus (Great Call)  
r455 (Net10)  
SPH-a580 (Trumpet)  
SPH-z640 (Trumpet)  
SCH-a870  
SCH-u250  
SPH-a310  
SPH-a420  
SPH-a640

*AT & T phones, including:*

Flight (SGH-a797)  
Mythic (SGH-a897)  
Solstice (SGH-a887)  
Jack (SGH-i637)  
SGH-al77  
SGH-al67  
Magnet (SGH-a257)  
PropelPro (SGH-i627)  
SGH-a657  
Impression (SGH-a877)  
Eternity (SGH-a867)  
SGH-a777

Propel (SGH-a767)  
Epix (SGH-i907)  
SGH-a637  
Rugby (SGH-a837)  
SGH-al37  
SGH-1237  
SGH-a227  
Access (SGH-a827)

*Sprint phones, including:*

Reclaim (SPH-m560)  
Moment (SPH-m900)  
Intrepid (SPH-i350)  
SPH-m240  
SPH-m330  
Exclaim (SPH-m550)  
Instinct s30 (SPH-m810)  
Instinct HD (SPH-m-850)  
Instinct (SPH-m800)  
Highnote (SPH-m360)  
Rant (SPH-m540)  
SPH-m220  
SPH-m320  
XOHM (SWC-elOO)  
AIRA VE (SCS-26UC)  
SPH-z400  
ACE (SPH-i325)

*Verizon phones, including:*

Omnia II (SCH-i920)  
Convoy (SCH-u640)  
Intensity (SCH-u450)  
Rogue (SCH-u960)  
Alias2 (SCH-u750)  
Smooth (SCH-u350)  
Trance (SCH-u490)  
Renown (SCH-u810)  
SCH-u340  
Omnia (SCH-i910)  
Saga (SCH-i770)  
Sway (SCH-u650)  
SCH-u430  
Knack (SCH-u310)  
Glyde (SCH-u940)  
Alias (SCH-u740)  
SCH-u550

*T-Mobile phones, including:*

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SGH-t659  
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Comeback (SGH-t559)  
SGH-t349  
SGH-t239  
SGH-t119  
Highlight (SGH-t749)  
Memoir (SGH-t929)  
Gravity (SGH-t459)  
Behold (SGH-t919)  
SGH-t109  
SGH-t339  
SGH-t229  
SGH-t819

*Alltel phones, Including:*

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SCH-u350 Glint  
SCH-r351 Freeform  
SCH-r800 Delve  
SCH-r600 Hue  
SCH-r430 MyShot  
SCH-r706

*Metro PCS phones, including:*

SCH-r860 Caliber  
SCH-r100 Stunt  
SCH-r350 Freeform  
SCH-i220 Code  
SCH-r560 Messenger II  
SCH-r420 Tint  
SCH-r81 0 Finesse  
SCH-r310 Byline  
SCH-r450 Messenger  
SCH-r430 MyShot  
SCH-r210 Spex  
SCH-r400  
SCH-u520

*US. Cellular phones, including:*

SCH-r850 Calber  
SCH-r520 Trill

SCH-r311 Axle  
SCH-u440 Gloss  
SCH-r470 TwoStep  
SCH-r800 Delve  
SCH-r210 Spex  
SCH-r610  
SCH-a870

*Cricket phones, including:*

SCH-r560 Messenger II  
SCH-r460 MyShot II  
SCH-r211  
SCH-r550 JetSet  
SCH-r450 Messenger  
SCH-r210 Spex  
SCH-r430 MyShot  
SCH-u430

*Open/Generic GSM phones, including*

SGH-t459 Strike  
SGH-d806 (unlocked)

*Generic CDMA phones, including:*

SCH-RIOO  
SCH-r520 Trill (unlocked)  
SCH-r460 MyShot (unlocked)  
SCH-r350 Freeform (unlocked)  
SCH-r300  
SCH-r600 (unlocked)  
SCH-r810 Finesse (unlocked)  
SCH-r430 (unlocked)  
SCH-r500

*Virgin Mobile phones, including:*

SPH-m310  
SPH-m340 Mantra

*CLEAR phones, including:*

Mondi SWD-mlOO

*Time Warner phones, including:*

Mondi SvVD-mlOO

*TracFone phones, including*

SCH-r810 Finesse  
SCH-r451C



SGH-t401G  
SGH-t101G  
SGH-t201G  
SGH-t301G