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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER	
CRAVER, CHARLES R	

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3992	

MAIL DATE	DELIVERY MODE
04/10/2018	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Decision Expunging/Returning Papers in Reexamination	Control No.: 90/013,925

1. ☒ THIS IS A DECISION EXPUNGING THE PAPERS FILED April 2, 2018 by Third Party Requester from the record of the reexamination proceeding(s). Since each expunged paper does not form part of the record, it is being expunged by marking it "closed" and "not public" in the Office's Image File Wrapper (IFW) system.
   ☐ THIS IS A DECISION RETURNING/DESTROYING THE PAPER(S) FILED _____ by_____.

   2. The papers being ☒ expunged ☐ returned ☐ destroyed are: Third Party Requester's paper filed April 2, 2018 entitled "PETITION TO THE DIRECTOR UNDER 37 CFR 1.181".

3. This decision will be made of record in the reexamination file(s).

4. THE ABOVE-IDENTIFIED PAPERS LACK A RIGHT OF ENTRY BECAUSE:
   A. ☐ Patent Owner may not file papers in the record prior to the order granting/denying reexamination (*ex parte*) or first action (*inter partes*). 37 CFR §§1.530(a) and 1.939(b).
   B. ☒ Third party requester in an *ex parte* reexamination may not file papers in the reexamination file subsequent to the request, except a reply to a proper patent owner statement under 37 CFR 1.530 or a notice of concurrent proceedings as described in MPEP 2282. See 37 CFR §§1.535 and 1.550(g).
   C. ☐ Third party requester in an *inter partes* reexamination may not file papers in the record, except as specified in the rules, 37 CFR §§1.947, 1.951(b) and 1.983, and 37 CFR §§ 41.61-79, other than a notice of concurrent proceedings as described in MPEP 2686. See 37 CFR1.939.
   D. ☐ Parties other than patent owner and a third party requester may not file documents in the record except a notice of concurrent proceedings. See 37 CFR §§1.550(h) and 1.939(a).
   E. ☐ The notice of concurrent proceedings exceeds the permitted scope. See MPEP 2282, 2686.
   F. ☐ Other:

5. CONCLUSION
   Telephone inquiries with regard to this decision should be directed to Stephen Stein at 571-272-1544, in the Central Reexamination Unit.

/Stephen J. Stein/ [*Signature*]	SPE, Central Reexamination Unit (Title)

U.S. Patent and Trademark Office
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US007039033C1

(12) **EX PARTE REEXAMINATION CERTIFICATE** (11246th)

United States Patent
Haller et al.

(10) **Number: US 7,039,033 C1**
(45) **Certificate Issued: Feb. 1, 2018**

(54) **SYSTEM, DEVICE AND COMPUTER READABLE MEDIUM FOR PROVIDING A MANAGED WIRELESS NETWORK USING SHORT-RANGE RADIO SIGNALS**

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(51) **Int. Cl.**
G01R 31/08 (2006.01)
H04L 12/24 (2006.01)
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(52) **U.S. Cl.**
CPC ***H04L 41/00*** (2013.01); ***H04M 1/7253*** (2013.01); ***H04M 1/72525*** (2013.01); *H04M 1/72561* (2013.01); *H04M 2250/02* (2013.01); *H04W 4/00* (2013.01); *H04W 84/042* (2013.01); *H04W 84/10* (2013.01); *H04W 84/16* (2013.01); *H04W 84/18* (2013.01)

(58) **Field of Classification Search**
None
See application file for complete search history.

(56) **References Cited**

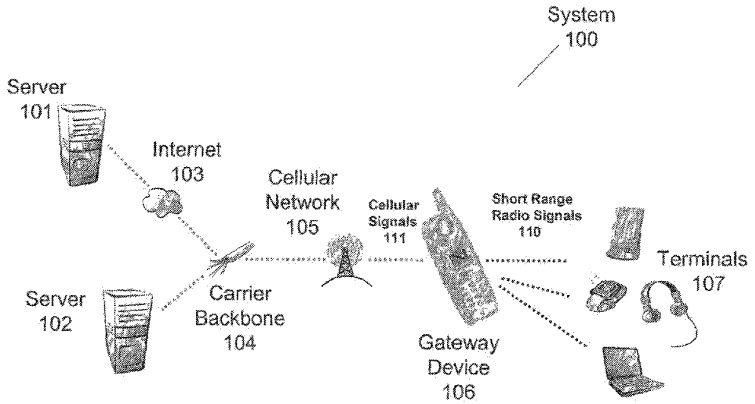
To view the complete listing of prior art documents cited during the proceeding for Reexamination Control Number 90/013,925, please refer to the USPTO's public Patent Application Information Retrieval (PAIR) system under the Display References tab.

Primary Examiner — Charles Craver

(57) **ABSTRACT**

A system, a wireless hand-held device, and software component for accessing information responsive to short-range radio signals is provided. The system includes a wireless gateway device coupled to a network, such as a cellular network. The wireless gateway device includes a network manager software component for accessing information from the network responsive to a first short-range radio signal. The network may be a corporate, private or public network, such as the Internet. A first wireless device is coupled to the wireless gateway device. The first wireless device provides the first short-range radio signal. In an embodiment of the present invention, the first wireless device is a cellular telephone, personal digital assistant or thin terminal having a Bluetooth™ processor and transmitter. In an embodiment of the present invention, the network manager software component includes a plug and play software component for loading and executing software for the first wireless device. In an embodiment of the present invention, a second wireless device accesses information on the first wireless device using the wireless gateway device.

Attention is directed to the decision of *Ixi Mobile (R&D) Ltd. et al* v. *Samsung Electronics Co., Ltd. et al,* US Dist No. Cal case No. 3:15cv3752; *Ixi Mobile (R&D) Ltd. et al* v. *Blackberry Limited et al,* US Dist No. Cal case No. 3:15cv3754; *Ixi Mobile (R&D) Ltd. et al* v. *Apple, Inc.,* US Dist No. Cal case No. 3:15cv3755; *Ixi Mobile (R&D) Ltd. et al* v. *Samsung Electronics Co., Ltd. et al,* US Dist So. NY case No. 1:14cv4355; *Ixi Mobile (R&D) Ltd. et al* v. *Blackberry Limited et al,* US Dist So. NY case No. 1:14cv4428; *Ixi Mobile (R&D) Ltd. et al* v. *Apple, Inc.,* US Dist No. Cal case No. 4:15cv3755 relating to this patent. This reexamination may not have resolved all questions raised by these decisions. See 37 CFR 1.552(c) for *ex parte* reexamination and 37 CFR 1.906(c) for *inter partes* reexamination.



(51) **Int. Cl.**

H04M 1/725	(2006.01)
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H04W 84/04	(2009.01)
H04W 84/16	(2009.01)
H04W 4/00	(2018.01)
H04W 84/10	(2009.01)

EX PARTE REEXAMINATION CERTIFICATE

THE PATENT IS HEREBY AMENDED AS INDICATED BELOW.

Matter enclosed in heavy brackets [ ] appeared in the patent, but has been deleted and is no longer a part of the patent; matter printed in italics indicates additions made to the patent.

AS A RESULT OF REEXAMINATION, IT HAS BEEN DETERMINED THAT:

Claims **48-55** are cancelled.

Claim **56** is determined to be patentable as amended.

New claims **57-124** are added and determined to be patentable.

Claims **1-47** were not reexamined.

56. A handheld device for providing a short distance wireless network, comprising:

a storage device;

means for identifying an availability of a plurality of services to a plurality of application software components in the short distance wireless network;

means for selectively providing the plurality of services to the plurality of application software components in the short distance wireless network; and

means for selectively transferring an Internet Protocol ("IP") data packet between a cellular network and a selected application software component in the plurality of application software components in the short distance wireless network;

wherein the handheld device further comprises 802.11 signal transmitter/receiver software and circuitry;

wherein the handheld device further comprises software configured to establish the short distance wireless network using the 802.11 signal transmitter/receiver software and circuitry to communicate with at least a second wireless device in the short distance wireless network;

wherein the handheld device includes a telephony application and a personal information manager application; and

wherein the handheld device includes a location application for providing a current location of the handheld device.

57. The handheld device of claim 56 further comprising a network management software component that provides a disconnect service function that forces specific applications to disconnect from a specific one of the plurality of services.

58. The handheld device of claim 56 further comprising a network management software component that provides a disconnect terminal function that forces specific application software components of the plurality of application software components to disconnect from all services of a specific terminal in the short distance wireless network.

59. The handheld device of claim 56 further comprising a network management software component that provides a disable service function that halts any usage of a specific terminal's service.

60. The handheld device of claim 56 further comprising a network management software component that provides a disable terminal function that halts any usage of all services of a specific terminal in the short distance wireless network.

61. The handheld device of claim 56 further comprising a gateway software stack, comprising:

an operating system component; and

telecommunication protocol stacks including cellular signal telecommunication software and a physical layer stack used to transmit and receive cellular signals, and short range radio communications software and physical layer stack used to transmit and receive short range radio signals, wherein the short range radio communications software includes software for 802.11 communications.

62. The handheld device of claim 56 further comprising a router software component including a domain naming service ("DNS") software component to enable a terminal on the short distance wireless network to query a terminal's address based on the terminal's name.

63. The handheld device of claim 56 further comprising a virtual private network ("VPN") software component.

64. The handheld device of claim 56 wherein the means for selectively transferring an Internet Protocol ("IP") data packet between a cellular network and a selected application software component in the plurality of application software components in the short distance wireless network further comprises a tunneling and optimization component configured to transfer the data packet via a tunnel between the handheld device and a landline operator's network.

65. A system for providing access to the Internet, comprising:

a first wireless device, in a short distance wireless network, having a software component to access information from the Internet by communicating with a cellular network in response to a first short-range radio signal wherein the first wireless device communicates with the cellular network and receives the first short-range radio signal,

wherein the first wireless device comprises router software to establish the short distance wireless network, wherein the router software comprises a routing component for exchange of IP packets;

wherein the first wireless device includes a speaker, a microphone, and a touchscreen,

wherein the first wireless device includes software applications including a telephony application, a personal information manager application including emails, and a location application for providing a current location of the first wireless device; and,

a second wireless device, in the short distance wireless network, to provide the first short-range radio signal,

wherein the software component includes a network address translator software component to translate between a first Internet Protocol ("IP") address provided to the first wireless device from the cellular network and a second address for the second wireless device provided by the first wireless device,

wherein the software component includes a service repository software component to identify a service provided by the second wireless device.

66. The system of claim 65 wherein the first wireless device comprises an 802.11 transmitter/receiver configured to receive the first short-range radio signal from the second wireless device.

67. The system of claim 65 wherein the first wireless device comprises a Bluetooth signal transmitter/receiver.

68. The system of claim 65 wherein the software component of the first wireless device includes an 802.11 baseband software component.

69. The system of claim 65 wherein the software component of the first wireless device includes a Bluetooth baseband software component.

70. The system of claim 65 wherein the software component of the first wireless device comprises:

a Bluetooth baseband software component; and

a GPRS baseband software component.

71. The system of claim 65 wherein the first wireless device communicates with at least one device on the short distance wireless network using 802.11 communications.

72. The system of claim 65 wherein the first wireless device communicates with at least one device on the short distance wireless network using Bluetooth communications.

73. The system of claim 65 wherein the first wireless device further comprises:

a tunneling and optimization component configured to transmit data packets via a tunnel between the first wireless device and a landline operator's network.

74. The system of claim 65 wherein the routing component of the router software on the first wireless device enables the exchange of IP packets between the second wireless device and a third wireless device in the short distance wireless network.

75. The system of claim 65 wherein the first wireless device comprises server software including a PIN number management component configured for initial pairing of the first wireless device and the second wireless device.

76. The system of claim 75 wherein the PIN number management component maintains, on the first wireless device, a local database of PIN numbers and attributes.

77. The system of claim 65 wherein the service repository software component provides service unregistration that cancels a registered service.

78. The system of claim 65 wherein the service repository software component provides a disabling function that ceases offering a service.

79. The system of claim 65 further comprising a third wireless device:

wherein the first wireless device includes an 802.11 baseband signal transmitter/receiver;

wherein the second wireless device comprises a laptop computer communicating with the first wireless device via the 802.11 baseband signal transmitter/receiver; and

wherein the third wireless device comprises a watch communicating with the first wireless device.

80. The system of claim 65 wherein the software component includes a network management software component that provides a disconnect service function that forces specific applications to disconnect from a specific service of the service repository software component.

81. The system of claim 65 wherein the software component includes a network management software component that provides a disconnect terminal function that forces specific applications to disconnect from all services of a specific terminal of the short distance wireless network.

82. The system of claim 65 wherein the software component includes a network management software component that provides a disable service function that halts any usage of a specific terminal's service.

83. The system of claim 65 wherein the first wireless device further comprises:

wireless gateway device software comprising:

an operating system component;

telecommunication protocol stacks including a cellular signal telecommunication software and physical layer stack used to transmit and receive cellular signals, and a short-range radio communications software and physical layer stack used to transmit and receive short-range radio signals, wherein the short-range radio communications software includes software for 802.11 communications;

network management software comprising:

the router software, wherein the router software comprises a routing component for the exchange of IP packets between two wireless devices on the short distance wireless network, broadcasting of IP packets among all wireless devices on the short distance wireless network and routing of IP packets to and from the Internet;

server software that implements short distance wireless network oriented services, comprising:

a plug and play component;

a management software component, wherein the management software component enables configuration of the short distance wireless network; and

wherein the service repository software component allows applications to discover available services offered by wireless devices on the short distance wireless network, and to determine characteristics of the available services.

84. The system of claim 83, wherein the telecommunications protocol stacks of the wireless gateway device software in the first wireless device includes a media abstraction layer that allows the operating system component to communicate with the cellular and the 802.11 physical layers.

85. The system of claim 65 wherein the router software of the first wireless device further comprises a router software component including a domain naming service ("DNS") software component to enable a terminal on the short distance wireless network to query another terminal's address based on the other terminal's name.

86. The system of claim 65 wherein the first wireless device further comprises a domain naming service ("DNS") software component configured to translate services between human readable names and IP addresses.

87. The system of claim 65 wherein the first wireless device further comprises a virtual private network ("VPN") software component.

88. A system for providing access to information on a cellular network, comprising:

a first wireless device, in a short distance wireless network, to provide a first short-range radio signal; and,

a second wireless device, in the short distance wireless network and the cellular network, to selectively transfer information, including Internet Protocol ("IP") data packets, between the first wireless device and the cellular network in response to a security software component,

wherein the second wireless device and the first wireless device communicate using 802.11 communications for the first short-range radio signal,

wherein the second wireless device establishes the short distance wireless network using personal area network ("PAN") router software having a routing component enabling exchange of the IP packets between the first wireless device and the second wireless device, broadcasting of IP packets between all devices on the short distance wireless network, and routing of the IP packets to and from the cellular network, and

wherein the second wireless device includes a service repository software component that identifies a plurality of services, in the short distance wireless network,

associated with a plurality of wireless devices, and wherein the service repository software component searches for a service, in the plurality of services, to be used by an application software component stored in the first wireless device.

89. The system of claim 88 wherein the second wireless device comprises an 802.11 transmitter/receiver.

90. The system of claim 88 wherein the second wireless device comprises an 802.11 baseband software component.

91. The system of claim 88 wherein the first wireless device comprises a laptop computer and the second wireless device comprises a phone.

92. The system of claim 88 wherein the second wireless device includes PAN server software comprising:

a plug and play component configured to resolve device software to support a wireless device upon introduction to the PAN and download the device software to the wireless device; and

a network management component including a disconnect terminal function that disconnects a specific terminal;

wherein the service repository software component further provides service registration offered by an application or a hardware capability offered by a terminal driver, service unregistration that cancels a registered service, a listing of registered services that suit a specific class, and searching of services based on a general class of service.

93. The system of claim 92 wherein the PAN router software further comprises:

a network address translator component configured to translate private IP addresses between the short distance wireless network and the cellular network; and

a dynamic host control protocol (DHCP) component configured to assign private IP addresses to devices on the short distance wireless network and to identify a Domain Name Server (DNS) address to devices on the short distance wireless network.

94. The system of claim 88 wherein the second wireless device comprises:

a speaker, a microphone, and a touchscreen coupled to a processor; and

a telephony application, a personal information manager application, and a location application, the location application for providing a current location of the second wireless device.

95. The system of claim 88 wherein the second wireless device comprises application server software configured to remove redundant capabilities from terminals on the short distance wireless network and consolidate the redundant capabilities in a centralized application server.

96. The system of claim 88 wherein the second wireless device comprises application server software including an execution environment and file system services for executing software on the short distance wireless network.

97. The system of claim 88 wherein the second wireless device comprises PAN server software having a plug and play component configured to download device software to support a wireless device on the short distance wireless network from the Internet via the cellular network.

98. The system of claim 88 wherein the second wireless device further comprises a domain naming service ("DNS") software component to enable a terminal on the short distance wireless network to query another terminal's address based on the other terminal's name.

99. The system of claim 88 wherein the second wireless device further comprises a virtual private network ("VPN") software component.

100. The system of claim 88 wherein the second wireless device comprises a tunneling and optimization component configured to transfer the IP data packets via a tunnel between the second wireless device and a landline operator's network.

101. A handheld device, comprising:

an 802.11 signal transmitter/receiver;

a storage device; and

a processor, coupled to the storage device and the 802.11 transmitter/receiver;

the storage device to store a software component, and the processor operative with the software component to:

provide a short distance wireless network established by the handheld device communicating via the 802.11 signal transmitter/receiver with a terminal,

provide a network management component including a disconnect terminal function that forces disconnection from a specific terminal;

provide an Internet Protocol ("IP") data packet from the handheld device to the terminal using short-range radio signals of the 802.11 signal transmitter/receiver,

control access between the short distance wireless network and a cellular network,

translate between a first IP address provided to the handheld device and a second IP address for the terminal provided by the handheld device in the short distance wireless network,

enumerate a list of services available from the handheld device and the terminal, wherein the handheld device and the terminal register services available on the list, and

search the list of services for a service to be used by an application software component stored on the terminal.

102. The handheld device of claim 101 wherein the short distance wireless network includes a terminal comprising a watch communicating with the handheld device.

103. The handheld device of claim 101 further comprising service repository software that enumerates the list of services available from the handheld device and the terminal, provides service registration offered by an application or a hardware capability offered by a terminal driver, service unregistration that cancels a registered service, a listing of registered services that suit a specific class, and searching of services based on a general class of services.

104. The handheld device of claim 101 further comprising:

a speaker, a microphone, and a touchscreen coupled to the processor; and

a telephony application, a personal information manager application including calendars, to do lists, emails, or contacts, and a location application for providing a current location of the handheld device.

105. The handheld device of claim 104 further comprising:

a network address translator component configured to translate private IP addresses between the short distance wireless network and the cellular network; and

a dynamic host control protocol (DHCP) component configured to assign private IP addresses to devices on the short distance wireless network and to identify a Domain Name Server (DNS) address to devices on the short distance wireless network.

106. The handheld device of claim 101 further comprising:

wireless gateway device software comprising:
an operating system component; and
telecommunication protocol stacks including a cellular signal telecommunication software and physical layer stack used to transmit and receive cellular signals, and a short-range radio communications software and physical layer stack used to transmit and receive short-range radio signals, wherein the short-range radio communications software includes software for 802.11 communications.

107. The handheld device of claim 101 further comprising server software having a plug and play component configured to download device software from the Internet via the cellular network to support a terminal on the short distance wireless network.

108. The handheld device of claim 101 further comprising a router software component including a domain naming service ("DNS") software component to enable a terminal on the short distance wireless network to query another terminal's address based on the other terminal's name.

109. The handheld device of claim 101 further comprising a virtual private network ("VPN") software component.

110. The handheld device of claim 101 further comprising a dynamic host control protocol ("DHCP") software component configured to manage an IP address space and IP services of the short distance wireless network.

111. The handheld device of claim 101 wherein the processor is further operative with the software component to transmit the IP data packet via a tunnel between the handheld device and a landline operator's network.

112. A first wireless handheld device, comprising:
a touchscreen;
an 802.11 signal transmitter/receiver;
a processor, coupled to the touchscreen and the short-range signal transmitter/receiver; and
a storage device coupled to the processor, the storage device to store at least one software component, the processor operative with the at least one software component to:
provide a graphics user interface,
transmit and receive 802.11 short-range radio signals;
access the Internet through a cellular network,
provide a first short-range radio signal to a second wireless handheld device and a second short-range radio signal to a third wireless device,
control access between the Internet and the first, second and third wireless devices,
establish a personal area network ("PAN") with the second and third wireless devices,
translate between a first Internet Protocol ("IP") address provided to the first wireless handheld device from the cellular network and a second address for the second wireless handheld device provided by the first wireless handheld device, and a third address for the third wireless device provided by the first wireless handheld device,
enumerate a list of services available from the first, second and third wireless devices, wherein the first, second and third wireless devices register services available on the list of services available, and
search the list of services available for a class of service to be used by an application software component at a particular time, the application software component stored on the second wireless handheld device.

113. The first wireless handheld device of claim 112 wherein the at least one software component comprises a location application for providing a current location of the first wireless handheld device.

114. The first wireless handheld device of claim 112 wherein the at least one software component comprises a location application for providing a current location of the first wireless handheld device, a personal information manager application, and a telephony application for providing telephone services.

115. The first wireless handheld device of claim 114 wherein the at least one software component provides service unregistration that cancels a registered service from the list of services available.

116. The first wireless handheld device of claim 112 wherein the at least one software component provides a disabling function that ceases offering a service in the list of services available.

117. The first wireless handheld device of claim 112 wherein the at least one software component comprises a network management software component that provides a disconnect service function that forces specific applications to disconnect from a specific service in the list of services available.

118. The first wireless handheld device of claim 112 wherein the at least one software component comprises a network management software component that provides a disconnect terminal function that forces specific applications to disconnect from all services of a specific terminal of the PAN.

119. The first wireless handheld device of claim 112 wherein the at least one software component comprises a network management software component that provides a disable service function that halts any usage of a specific terminal's service.

120. The first wireless handheld device of claim 112 further comprising a router software component including a domain naming service ("DNS") software component to enable a terminal on the PAN to query another terminal's address based on the other terminal's name.

121. The first wireless handheld device of claim 112 further comprising a virtual private network ("VPN") software component.

122. The first wireless handheld device of claim 112 wherein the processor is further operative with at least one software component to translate between the first IP address and the cellular network via a tunnel between the first wireless handheld device and a landline operator's network.

123. An article of manufacture for a wireless device, including a computer readable medium, comprising:
a short-range radio software component to communicate with a second wireless device in a short distance wireless network using a short-range radio signal, wherein the short-range radio software component includes an 802.11 baseband software component;
a cellular software component to communicate with a cellular network by using a cellular signal;
a telephony application for providing call services, a personal information manager application, and a location application for providing a current location of the wireless device;
a network software component to selectively transfer an Internet Protocol ("IP") data packet between the wireless device and the cellular network;
a router software component to establish the short distance wireless network with at least the second wireless device, wherein the router software component comprises a routing component for exchange of IP packets;

a service repository software component to identify a plurality of available services from a plurality of devices including at least the second wireless device in the short distance wireless network, the service repository software component having a uniform interface so that both a local application software component and a remote application software component identifies the plurality of available services; and

a plurality of service logical drivers corresponding to the plurality of available services that are used to obtain the plurality of available services, the plurality of service logical drivers are used in obtaining the plurality of available services.

124. The article of manufacture of claim 123 wherein the network software component is configured to selectively transfer an IP data packet between the wireless device and the cellular network via a tunnel between the wireless device and a landline operator's network.

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12/05/2017	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of Intent to Issue Ex Parte Reexamination Certificate	Control No.	Patent Under Reexamination	
	90/013,925	7039033	
	Examiner	Art Unit	AIA (First Inventor to File) Status
	CHARLES CRAVER	3992	No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

1. ☒ Prosecution on the merits is (or remains) closed in this *ex parte* reexamination proceeding. This proceeding is subject to reopening at the initiative of the Office or upon petition. *Cf.* 37 CFR 1.313(a). A Certificate will be issued in view of
   (a) ☒ Patent owner's communication(s) filed: *10 October 2017*.
   (b) ☐ Patent owner's failure to file an appropriate timely response to the Office action mailed: _____.
   (c) ☐ Patent owner's failure to timely file an Appeal Brief (37 CFR 41.31).
   (d) ☐ The decision on appeal by the ☐ Board of Patent Appeals and Interferences ☐ Court dated _____
   (e) ☐ Other: _____.
2. The Reexamination Certificate will indicate the following:
   (a) Change in the Specification: ☐ Yes ☒ No
   (b) Change in the Drawing(s): ☐ Yes ☒ No
   (c) Status of the Claim(s):
      (1) Patent claim(s) confirmed: _____.
      (2) Patent claim(s) amended (including dependent on amended claim(s)): *56*
      (3) Patent claim(s) canceled: *48-55*.
      (4) Newly presented claim(s) patentable: 57-124.
      (5) Newly presented canceled claims: _____.
      (6) Patent claim(s) ☐ previously ☐ currently disclaimed: _____
      (7) Patent claim(s) not subject to reexamination: 1-47.
3. ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
4. ☒ Note the attached statement of reasons for patentability and/or confirmation. Any comments considered necessary by patent owner regarding reasons for patentability and/or confirmation must be submitted promptly to avoid processing delays. Such submission(s) should be labeled: "Comments On Statement of Reasons for Patentability and/or Confirmation."
5. ☐ Note attached NOTICE OF REFERENCES CITED (PTO-892).
6. ☐ Note attached LIST OF REFERENCES CITED (PTO/SB/08 or PTO/SB/08 substitute).
7. ☐ The drawing correction request filed on _____ is: ☐ approved ☐ disapproved.
8. ☐ Acknowledgment is made of the priority claim under 35 U.S.C. § 119(a)-(d) or (f).
   a)☐ All b)☐ Some* c)☐ None of the certified copies have
   ☐ been received.
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   ☐ been filed in Application No. _____.
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   ☐ been received by the International Bureau in PCT Application No. _____.
   * Certified copies not received: _____.
9. ☐ Note attached Examiner's Amendment.
10. ☐ Note attached Interview Summary (PTO-474).
11. ☐ Other: _____.

All correspondence relating to this reexamination proceeding should be directed to the **Central Reexamination Unit** at the mail, FAX, or hand-carry addresses given at the end of this Office action.

/CHARLES CRAVER/
Primary Examiner, Art Unit 3992

cc: Requester (if third party requester)

NOTICE OF INTENT TO ISSUE EX PARTE REEXAMINATION CERTIFICATE

I. Summary

In the instant 90/013,925 *ex parte* reexamination of US Patent 7,039,033 (hereinafter "the '033 Patent"), claims 48-129 were under reexamination in light of the Order Granting Reexamination mailed 5/17/2017 responding to the request for reexamination filed 3/24/2017 by the Patent Owner.

Claims **48-87, 90, 92-94, 97, 105, 107-109, and 115-129** were subject to rejection in the Office Action mailed 9/7/2017. In response, Patent Owner has amended the claims in his Response of 10/10/2017, canceling claims 48-55, 92, 93, 116 and 117 and amending others to overcome the rejection on file, and renumbering remaining claims. Currently presented claims 56-124 now remain, and are found patentable for the reasons set forth below.

Extensions of Time

Extensions of time under 37 CFR 1.136(a) will not be permitted in this reexamination proceedings because the provisions of 37 CFR 1.136 apply only to "an applicant" and not to the patent owner in a reexamination proceeding. Additionally, 35 U.S.C. 305 requires that ex parte reexamination proceedings "will be conducted with special dispatch" (37 CFR 1.550(a)). Extensions of time in ex parte reexamination proceedings are provided for in 37 CFR 1.550(c).

Notification of Concurrent Proceedings

The Patent Owner is reminded of the continuing responsibility under 37 CFR 1.985 to apprise the Office of any litigation activity, or other prior or concurrent proceeding, involving Patent No. 7,039,033 throughout the course of this reexamination proceeding. The third party requester is also reminded of the ability to similarly apprise the Office of any such activity or proceeding throughout the course of this reexamination proceeding. See MPEP § 2686 and 2686.04.

II. Patentable Subject Matter

Claims 56-89, 91, 94-115 and 118-129 (renumbered 56-124 by Patent Owner in his Amendment) are deemed patentable as added/amended.

STATEMENT OF REASONS FOR PATENTABILITY AND/OR CONFIRMATION

The following is an examiner's statement of reasons for patentability and/or confirmation of the claims found patentable in this reexamination proceeding:

As to **claim 56**, it is noted that instant claim 56 is similar to issued claim 34, which was found by the Board to be obvious over the combination of Marchand in view of Larsson and the JINI Specification. See, *inter alia*, the 6/19/2015 Petition for Inter Partes Review in IPR 2015-01444 at 39 as well as the 12/21/2016 Final Written Decision at 31.

Instant claim 56, however, further adds that the handheld device comprises an 802.11 signal transmitter/receiver, and provides and establishes a short distance wireless network with a terminal using said 802.11 transmitter/receiver, and provides a

telephony application, a personal information manager application, and a location application for providing a current location of the handheld device.

While the combination of Marchand, Larsson and JINI discloses components enabling exchange of IP packets between the first and second wireless devices as well as the cellular component, which reads a general router software component, Marchand, Larsson and JINI do not disclose 802.11 communications or the three applications claimed. Other references asserted by the Requestor/Patent Owner in the instant reexamination proceeding do not disclose these features either. References of record in the original prosecution disclose 802.x communication (see, for example, US Pat 6,763,012 to Lord), however such fails to further disclose using such in the network with the features claimed. Claims 57-64 are patentable based on a dependence on claim 56.

As to **claim 65**, it is noted that instant claim 65 is similar to issued claim 1, which was found by the Board to be obvious over the combination of Marchand in view of Larsson and the JINI Specification. See, *inter alia*, the 6/19/2015 Petition for Inter Partes Review in IPR 2015-01444 at 20 as well as the 12/21/2016 Final Written Decision at 13.

Instant claim 65, however, further adds that the first device comprises a telephony application, a personal information manager application including emails, and a location application for providing a current location of the handheld device.

While the combination of Marchand, Larsson and JINI discloses components enabling exchange of IP packets between the first and second wireless devices as well

as the cellular component, which reads a general router software component, Marchand, Larsson and JINI do not disclose the three applications claimed. Other references asserted by the Requestor/Patent Owner in the instant reexamination proceeding do not disclose these features either. References of record in the original prosecution disclose similar communication methods from a physical layer standpoint (see, for example, US Pat 6,763,012 to Lord), however such fails to further disclose using such in the network with the features claimed. Claims 66-87 are patentable based on a dependence on claim 65.

As to **claim 88**, it is noted that instant claim 88 is based on issued claim 25, which was found by the Board to be obvious over the combination of Marchand in view of Larsson and the JINI Specification. See, *inter alia*, the 6/19/2015 Petition for Inter Partes Review in IPR 2015-01444 at 55 as well as the 12/21/2016 Final Written Decision at 38.

Instant claim 88, however, further adds that the second wireless device and the first wireless device communicate using 802.11 communications for the first short-range radio signal, and that the second wireless device establishes the short distance wireless network using personal area network ("PAN") router software having a routing component enabling exchange of the IP packets between the first wireless device and the second wireless device, broadcasting of IP packets between all devices on the short distance wireless network, and routing of the IP packets to and from the cellular network.

While the combination of Marchand, Larsson and JINI discloses components enabling exchange of IP packets between the first and second wireless devices as well as the cellular component, which reads a general router software component, Marchand, Larsson and JINI do not disclose broadcasting of IP packets between all devices on the short distance wireless network, nor do they disclose 802.11 communications. Other references asserted by the Requestor/Patent Owner in the instant reexamination proceeding do not disclose these features either. References of record in the original prosecution disclose 802.x communication (see, for example, US Pat 6,763,012 to Lord), however such fails to further disclose using such in the network with the features claimed. Claims 89, 91, 95, 96, and 98-103 (renumbered as 89-100) are patentable based on a dependence on claim 88.

As to **claim 101 (previously listed as claim 104)**, it is noted that instant claim 101 is based on issued claim 34, which was found by the Board to be obvious over the combination of Marchand in view of Nurmann, Vilander and the JINI Specification. See, *inter alia*, the 6/19/2015 Petition for Inter Partes Review in IPR 2015-01444 at 39 as well as the 12/21/2016 Final Written Decision at 31.

Instant claim 101, however, further adds that the handheld device comprises an 802.11 signal transmitter/receiver, and provides and establishes a short distance wireless network with a terminal using said 802.11 transmitter/receiver, and provides a network management component including a disconnect terminal function that forces disconnection from a specific terminal.

While the combination of Marchand, Nurmann, Vilander and JINI discloses a handheld device creating a short-distance network with a terminal and provides software components for doing so, Marchand, Nurmann, Vilander and JINI do not disclose a network management component including a disconnect terminal function that forces disconnection from a specific terminal, nor do they disclose 802.11 communications. Other references asserted by the Requestor/Patent Owner in the instant reexamination proceeding do not disclose these features either. References of record in the original prosecution disclose 802.x communication (see, for example, US Pat 6,763,012 to Lord), however such fails to further disclose using such in the network with the features claimed. Newly-numbered claims 102-111 are patentable based on a dependence on claim 101.

As to **claim 112**, **(previously listed as claim 115)**, it is noted that instant claim 112 is based on issued claim 42, which was found by the Board to be obvious over the combination of Marchand in view of Nurmann, Vilander and the JINI Specification. See, *inter alia*, the 6/19/2015 Petition for Inter Partes Review in IPR 2015-01444 at 50 as well as the 12/21/2016 Final Written Decision at 34.

Instant claim 112, however, further adds that the handheld device comprises an 802.11 signal transmitter/receiver to transmit and receive 802.11 signals, and provides and establishes a Personal Area Network with other terminals, and provides a touchscreen and GUI.

While the combination of Marchand, Nurmann, Vilander and JINI discloses a handheld device creating a short-distance network with a terminal and provides

software components for doing so, Marchand, Nurmann, Vilander and JINI do not disclose specifically a PAN, nor do they disclose 802.11 communications, a touchscreen or GUI. Other references asserted by the Requestor/Patent Owner in the instant reexamination proceeding do not disclose these features either. References of record in the original prosecution disclose 802.x communication (see, for example, US Pat 6,763,012 to Lord), however such fails to further disclose using such in the network with the features claimed. Newly-numbered claims 113-122 are patentable based on a dependence on claim 112.

As to **claim 123 (previously numbered as claim 128)**, it is noted that instant claim 128 is similar to issued claim 48, itself similar to claim 34 which was found by the Board to be obvious over the combination of Marchand in view of Larsson and the JINI Specification. See, *inter alia*, the 6/19/2015 Petition for Inter Partes Review in IPR 2015-01444 at 39 as well as the 12/21/2016 Final Written Decision at 31.

Instant claim 123, however, further adds that the handheld device comprises an 802.11 signal transmitter/receiver, and provides and establishes a short distance wireless network with a terminal using said 802.11 transmitter/receiver, and provides a telephony application, a personal information manager application, and a location application for providing a current location of the handheld device.

While the combination of Marchand, Larsson and JINI discloses components enabling exchange of IP packets between the first and second wireless devices as well as the cellular component, which reads a general router software component, Marchand, Larsson and JINI do not disclose 802.11 communications or the three

applications claimed. Other references asserted by the Requestor/Patent Owner in the instant reexamination proceeding do not disclose these features either. References of record in the original prosecution disclose 802.x communication (see, for example, US Pat 6,763,012 to Lord), however such fails to further disclose using such in the network with the features claimed. Claim 124 is patentable based on a dependence on claim 123.

These claims are thus determined to comprise subject matter not disclosed by the references asserted by Requestor, and are found patentable for these reasons.

Any comments considered necessary by PATENT OWNER regarding the above statement must be submitted promptly to avoid processing delays. Such submission by the patent owner should be labeled: "Comments on Statement of Reasons for Patentability and/or Confirmation" and will be placed in the reexamination file.

III. Conclusion

This action is directed only to the claims for which reexamination was requested. With respect to such claims, requester has alleged that a substantial new question of patentability (SNQ) exists, and upon review, it has been determined that the alleged SNQ in fact is present for **claims 48-129**. No determination was made with respect to the existence or nonexistence of an SNQ with respect to any claim for which reexamination was not specifically requested.

Extensions of time under 37 CFR 1.136(a) do not apply in reexamination proceedings. The provisions of 37 CFR 1.136 apply only to "an applicant" and not to

parties in a reexamination proceeding. Further, in 35 U.S.C. 305 and in 37 CFR 1.550(a), it is required that reexamination proceedings "will be conducted with special dispatch within the Office."

Extensions of time in reexamination proceedings are provided for in 37 CFR 1.550(c). A request for extension of time must be filed on or before the day on which a response to this action is due, and it must be accompanied by the petition fee set forth in 37 CFR 1.17(g). The mere filing of a request will not effect any extension of time. An extension of time will be granted only for sufficient cause, and for a reasonable time specified.

The Patent Owner is reminded of the continuing responsibility under 37 CFR 1.565(a) to apprise the Office of any litigation activity, or other prior or concurrent proceeding, involving Patent No. 7,039,033 throughout the course of this reexamination proceeding. The third party requester is also reminded of the ability to similarly apprise the Office of any such activity or proceeding throughout the course of this reexamination proceeding. See MPEP §§ 2207, 2282 and 2286.

All correspondence relating to this *ex parte* reexamination proceeding should be directed:

By Mail to: Mail Stop *Ex Parte* Reexam
Central Reexamination Unit
Commissioner for Patents
United States Patent & Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

By FAX to: (571) 273-9900
Central Reexamination Unit

By hand: Customer Service Window

Randolph Building
401 Dulany Street
Alexandria, VA 22314

Registered users of EFS-Web may alternatively submit such correspondence via the electronic filing system EFS-Web, at https://sportal.uspto.gov/authenticate/authenticateuserlocalepf.html. EFS-Web offers the benefit of quick submission to the particular area of the Office that needs to act on the correspondence. Also, EFS-Web submissions are "soft scanned" (i.e., electronically uploaded) directly into the official file for the reexamination proceeding, which offers parties the opportunity to review the content of their submissions after the "soft scanning" process is complete.

Any inquiry concerning this communication or earlier communications from the Reexamination Legal Advisor or Examiner, or as to the status of this proceeding, should be directed to Charles Craver at telephone number (571) 272-7849.

Signed:

/Charles Craver/
Charles Craver
Primary Examiner
Central Reexamination Unit 3992
(571) 272-7849

Conferees: /Joseph R. Pokrzywa/
Primary Examiner, CRU 3992

/MICHAEL FUELLING/
Supervisory Patent Examiner, Art Unit 3992

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	90013925	7039033
	Examiner	Art Unit
	CHARLES CRAVER	3992

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

SEARCH NOTES		
Search Notes	Date	Examiner
updated file hist search	5/5/2017	cc
PTAB search/IPR	5/5/2017	cc
updated file hist srch	11/10/2017	cc
PTAB search/IPR	11/10/2017	cc

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

	/CHARLES CRAVER/ Primary Examiner.Art Unit 3992

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	90013925	7039033
	Examiner	**Art Unit**
	CHARLES CRAVER	3992

CPC						
Symbol					**Type**	**Version**
H04L		41	/	00	F	2013-01-01
H04M		1	/	7253	I	2013-01-01
H04M		1	/	72561	A	2013-01-01
H04M		1	/	72525	I	2013-01-01
H04M		2250	/	02	A	2013-01-01
H04W		84	/	18	A	2013-01-01
H04W		84	/	042	A	2013-01-01
H04W		84	/	16	A	2013-01-01
H04W		4	/	00	A	2013-01-01
H04W		84	/	10	A	2013-01-01
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CPC Combination Sets							
Symbol					**Type**	**Set**	**Ranking**	**Version**
			/					
			/					

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 69	
/CHARLES CRAVER/ Primary Examiner.Art Unit 3992 (Primary Examiner)	11/17/2017 (Date)	O.G. Print Claim(s) 56	O.G. Print Figure 1

U.S. Patent and Trademark Office

Part of Paper No. 20171115

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	90013925	7039033
	Examiner	Art Unit
	CHARLES CRAVER	3992

US ORIGINAL CLASSIFICATION		INTERNATIONAL CLASSIFICATION	
CLASS	SUBCLASS	CLAIMED	NON-CLAIMED
370	338	G 0 1 R 31 / 08 (2006.01.01)	

CROSS REFERENCE(S)					
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
370	401	466	469		

NONE	Total Claims Allowed:	
(Assistant Examiner) (Date)	69	
/CHARLES CRAVER/ Primary Examiner.Art Unit 3992 11/17/2017	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner) (Date)	56	1

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	90013925	7039033
	Examiner	Art Unit
	CHARLES CRAVER	3992

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original

NONE (Assistant Examiner)	(Date)	Total Claims Allowed: 69	
/CHARLES CRAVER/ Primary Examiner.Art Unit 3992 (Primary Examiner)	11/17/2017 (Date)	O.G. Print Claim(s) 56	O.G. Print Figure 1

U.S. Patent and Trademark Office Part of Paper No. 20171115

Reexamination	**Application/Control No.** 90013925	**Applicant(s)/Patent Under Reexamination** 7039033
	Certificate Date	**Certificate Number** C1

Requester Correspondence Address:	☒ **Patent Owner**	☐ **Third Party**
BROOKS KUSHMAN P.C. 1000 TOWN CENTER TWENTY-SECOND FLOOR SOUTHFIELD, MI 48075		

LITIGATION REVIEW ☒	cc (examiner initials)	11/10/2017 (date)
Case Name		Director Initials
IXI Mobile (R&D) Ltd., et al v. Samsung Electronics Co		/MF/for JC
IXI Mobile (R&D) Ltd., et al v. Blackberry Limited et al,		"
IXI Mobile (R&D) Ltd., et al v. Apple Inc. , US Dist C		"

COPENDING OFFICE PROCEEDINGS	
TYPE OF PROCEEDING	**NUMBER**
1. Inter Partes Review	IPR2015-01444

	/CHARLES CRAVER/ Primary Examiner.Art Unit 3992

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

BIB DATA SHEET

CONFIRMATION NO. 1027

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
90/013,925	03/24/2017 RULE	370	3992	0909-010

APPLICANTS

INVENTORS

7039033, Residence Not Provided;
IXI IP LLC, NEW YORK, NY;
PATENT OWNER, Residence Not Provided;

**** CONTINUING DATA ***************************

This application is a REX of 09/850,399 05/07/2001 PAT 7039033

**** FOREIGN APPLICATIONS ***************************

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ****

Foreign Priority claimed ☐ Yes ☑ No 35 USC 119(a-d) conditions met ☐ Yes ☑ No Verified and Acknowledged /CHARLES R CRAVER/ Examiner's Signature	☐ Met after Allowance Initials	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
				56	6

ADDRESS

BROOKS KUSHMAN P.C.
1000 TOWN CENTER
TWENTY-SECOND FLOOR
SOUTHFIELD, MI 48075
UNITED STATES

TITLE

SYSTEM, DEVICE AND COMPUTER READABLE MEDIUM FOR PROVIDING A MANAGED WIRELESS NETWORK USING SHORT-RANGE RADIO SIGNALS

FILING FEE RECEIVED	FEES: Authority has been given in Paper	☐ All Fees
12000	No._____ to charge/credit DEPOSIT ACCOUNT	☐ 1.16 Fees (Filing)
	No._____ for following:	☐ 1.17 Fees (Processing Ext. of time)
		☐ 1.18 Fees (Issue)
		☐ Other _____
		☐ Credit

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	90013925	7039033
	Examiner	Art Unit
	CHARLES CRAVER	3992

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	09/04/2017	11/17/2017							
	48	✓	-							
	49	✓	-							
	50	✓	-							
	51	✓	-							
	52	✓	-							
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	81	✓	=							
	82	✓	=							
	83	✓	=							

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
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	Examiner	Art Unit
	CHARLES CRAVER	3992

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	09/04/2017	11/17/2017							
	84	✓	=							
	85	✓	=							
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	118	✓	=							
	119	✓	=							

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	90013925	7039033
	Examiner	Art Unit
	CHARLES CRAVER	3992

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	09/04/2017	11/17/2017							
	120	✓	=							
	121	✓	=							
	122	✓	=							
	123	✓	=							
	124	✓	=							
	125	✓								
	126	✓								
	127	✓								
	128	✓								
	129	✓								

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
90/013,925	03/24/2017	7039033	0909-010	1027

22045 7590 10/10/2017
BROOKS KUSHMAN P.C.
1000 TOWN CENTER
TWENTY-SECOND FLOOR
SOUTHFIELD, MI 48075

EXAMINER
CRAVER, CHARLES R

ART UNIT	PAPER NUMBER
3992	

MAIL DATE	DELIVERY MODE
10/10/2017	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Ex Parte Reexamination Interview Summary	**Control No.**	**Patent Under Reexamination**
	90/013,925	7039033
	Examiner	**Art Unit**
	CHARLES CRAVER	3992

All participants (USPTO personnel, patent owner, patent owner's representative):

(1) *CHARLES CRAVER*	(3) *SANGEETA SHAH*
(2) *MICHAEL FUELLING, JOSEPH POKRZYWA*	(4) *LISSI MOJICA, DAVE BIR*

Date of Interview: *03 October 2017*

Type: a)☒ Telephonic b)☐ Video Conference
c)☐ Personal (copy given to: 1)☐ patent owner 2)☐ patent owner's representative)

Exhibit shown or demonstration conducted: d)☐ Yes e)☒ No.
If Yes, brief description: _____

Agreement with respect to the claims f)☐ was reached. g)☐ was not reached. h)☒ N/A.
Any other agreement(s) are set forth below under "Description of the general nature of what was agreed to…"

Claim(s) discussed: *56*.

Identification of prior art discussed: *none*.

Description of the general nature of what was agreed to if an agreement was reached, or any other comments:
The proposed amendment filed 9/29/2017 along with the written request for interview was discussed. The examiner agreed that the proposed amendment overcame the rejections under 35 USC 112(a) and (b) in the previous office action as to the independent claims.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims patentable, if available, must be attached. Also, where no copy of the amendments that would render the claims patentable is available, a summary thereof must be attached.)

A FORMAL WRITTEN RESPONSE TO THE LAST OFFICE ACTION MUST INCLUDE PATENT OWNER'S STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. (See MPEP § 2281). IF A RESPONSE TO THE LAST OFFICE ACTION HAS ALREADY BEEN FILED, THEN PATENT OWNER IS GIVEN **ONE MONTH** FROM THIS INTERVIEW DATE TO PROVIDE THE MANDATORY STATEMENT OF THE SUBSTANCE OF THE INTERVIEW (37 CFR 1.560(b)). THE REQUIREMENT FOR PATENT OWNER'S STATEMENT CAN NOT BE WAIVED. **EXTENSIONS OF TIME ARE GOVERNED BY 37 CFR 1.550(c).**

/CHARLES CRAVER/ Primary Examiner, Art Unit 3992	/JRP/	/MF/

cc: Requester (if third party requester)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Amit HALLER

Serial No.:	90/013,925	Group Art Unit:	3992
Filed:	March 24, 2017	Examiner:	Charles R Craver

For: SYSTEM, DEVICE AND COMPUTER READABLE MEDIUM FOR PROVIDING A MANAGED WIRELESS NETWORK USING SHORT-RANGE RADIO SIGNALS

Attorney Docket No.: IXI0101RX

AMENDMENT UNDER 37 C.F.R. § 1.111

Mail Stop *Ex Parte* Reexamination
Attn: Central Reexamination Unit
Commissioner for Patents
U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Commissioner:

In Response to Non-Final Office Action dated September 7, 2017, please amend the above-identified application as follows:

REMARKS

Claim 56 has been twice amended. Amended New Claims submitted herewith are 61, 65, 67, 69, 70, 72, 79, 83, 84, 91, 94, 102, 104, 106, 107, 114, and 123.

Claims submitted with the request for reexamination on March 24, 2017 numbered 48-55, 90, 92, 93, 116 and 117 have been canceled and the remaining claims renumbered as indicated below.

Claims submitted with request for reexamination on March 24, 2017	**Claims submitted with this amendment**
48-55	Canceled
90	Canceled
91	90
92	Canceled
93	Canceled
94	91
95	92
96	93
97	94
98	95
99	96
100	97
101	98
102	99
103	100
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Patent Owner thanks the reexamination panel for the courtesy of an interview on October 3, 2017 to discuss the proposed claims with Patent Owner's representatives, as detailed in the accompanying Interview Statement. Patent Owner notes that the claims presented with this response are consistent with the claims proposed in advance of the interview and that all of the claims contain sufficient support under 35 U.S.C. § 112, as further detailed in the accompanying Claim Support Statement.

While Patent Owner does not agree with the rejections under 35 U.S.C. § 112, Patent Owner has amended the claims to more particularly point out the claimed subject matter and more closely follow the text of the specification solely to advance prosecution of the application, particularly in light of the allowed claims and the indication that the rejected claims would be allowed if amended as discussed during the interview.

Consistent with the agreement reached during the interview, Patent Owner requests favorable action of the claims as currently presented.

Please charge any fees or credit any overpayments as a result of the filing of this paper to our Deposit Account No. 02-3978.

Respectfully submitted,

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AMENDED CLAIMS SUBMITTED WITH RESPONSE

TO NON-FINAL OFFICE ACTION

48. - 55. (Canceled)

56. (Twice Amended) A handheld device for providing a short distance wireless network, comprising:

a storage device;

means for identifying an availability of a plurality of services to a plurality of application software components in the short distance wireless network;

means for selectively providing the plurality of services to the plurality of application software components in the short distance wireless network; and

means for selectively transferring an Internet Protocol ("IP") data packet between a cellular network and a selected application software component in the plurality of application software components in the short distance wireless network;

wherein the handheld device further comprises 802.11 signal transmitter/receiver software and circuitry;

wherein the handheld device further comprises software configured to establish the short distance wireless network using the 802.11 signal transmitter/receiver software and circuitry to communicate with at least a second wireless device in the short distance wireless network;

wherein the handheld device includes a telephony application and a personal information manager application; and

wherein the handheld device includes a location application for providing a current location of the handheld device.

57. (New) (Previously Presented) The handheld device of claim 56 further comprising a network management software component that provides a disconnect service function that forces specific applications to disconnect from a specific one of the plurality of services.

58. (New) (Previously Presented) The handheld device of claim 56 further comprising a network management software component that provides a disconnect terminal function that forces specific application software components of the plurality of application software components to disconnect from all services of a specific terminal in the short distance wireless network.

59. (New) (Previously Presented) The handheld device of claim 56 further comprising a network management software component that provides a disable service function that halts any usage of a specific terminal's service.

60. (New) (Previously Presented) The handheld device of claim 56 further comprising a network management software component that provides a disable terminal function that halts any usage of all services of a specific terminal in the short distance wireless network.

61. (New) (Currently Amended) The handheld device of claim 56 further comprising a gateway software stack, comprising:

an operating system component; and

telecommunication protocol stacks including cellular signal telecommunication software and a physical layer stack used to transmit and receive cellular signals, and short range radio communications software and physical layer stack used to transmit and receive short range radio signals, wherein the short range radio communications software includes software for 802.11 communications.

62. (New) (Previously Presented) The handheld device of claim 56 further comprising a router software component including a domain naming service ("DNS") software component to enable a terminal on the short distance wireless network to query a terminal's address based on the terminal's name.

63. (New) (Previously Presented) The handheld device of claim 56 further comprising a virtual private network ("VPN") software component.

64. (New) (Previously Presented) The handheld device of claim 56 wherein the means for selectively transferring an Internet Protocol ("IP") data packet between a cellular network and a selected application software component in the plurality of application software components in the short distance wireless network further comprises a tunneling and optimization component configured to transfer the data packet via a tunnel between the handheld device and a landline operator's network.

65. (New) (Currently Amended) A system for providing access to the Internet, comprising:

a first wireless device, in a short distance wireless network, having a software component to access information from the Internet by communicating with a cellular network in response to a first short-range radio signal wherein the first wireless device communicates with the cellular network and receives the first short-range radio signal,

wherein the first wireless device comprises router software to establish the short distance wireless network, wherein the router software comprises a routing component for exchange of IP packets;

wherein the first wireless device includes a speaker, a microphone, and a touchscreen,

wherein the first wireless device includes software applications including a telephony application, a personal information manager application including emails, and a location application for providing a current location of the first wireless device; and,

a second wireless device, in the short distance wireless network, to provide the first short-range radio signal,

wherein the software component includes a network address translator software component to translate between a first Internet Protocol ("IP") address provided to the first wireless device from the cellular network and a second address for the second wireless device provided by the first wireless device,

wherein the software component includes a service repository software component to identify a service provided by the second wireless device.

66. (New) (Previously Presented) The system of claim 65 wherein the first wireless device comprises an 802.11 transmitter/receiver configured to receive the first short-range radio signal from the second wireless device.

67. (New) (Currently Amended) The system of claim 65 wherein the first wireless device comprises a Bluetooth signal transmitter/receiver.

68. (New) (Previously Presented) The system of claim 65 wherein the software component of the first wireless device includes an 802.11 baseband software component.

69. (New) (Currently Amended) The system of claim 65 wherein the software component of the first wireless device includes a Bluetooth baseband software component.

70. (New) (Currently Amended) The system of claim 65 wherein the software component of the first wireless device comprises:

a Bluetooth baseband software component; and

a GPRS baseband software component.

71. (New) (Previously Presented) The system of claim 65 wherein the first wireless device communicates with at least one device on the short distance wireless network using 802.11 communications.

72. (New) (Currently Amended) The system of claim 65 wherein the first wireless device communicates with at least one device on the short distance wireless network using Bluetooth communications.

73. (New) (Previously Presented) The system of claim 65 wherein the first wireless device further comprises:

a tunneling and optimization component configured to transmit data packets via a tunnel between the first wireless device and a landline operator's network.

74. (New) (Previously Presented) The system of claim 65 wherein the routing component of the router software on the first wireless device enables the exchange of IP packets between the second wireless device and a third wireless device in the short distance wireless network.

75. (New) (Previously Presented) The system of claim 65 wherein the first wireless device comprises server software including a PIN number management component configured for initial pairing of the first wireless device and the second wireless device.

76. (New) (Previously Presented) The system of claim 75 wherein the PIN number management component maintains, on the first wireless device, a local database of PIN numbers and attributes.

77. (New) (Previously Presented) The system of claim 65 wherein the service repository software component provides service unregistration that cancels a registered service.

78. (New) (Previously Presented) The system of claim 65 wherein the service repository software component provides a disabling function that ceases offering a service.

79. (New) (Currently Amended) The system of claim 65 further comprising a third wireless device;

wherein the first wireless device includes an 802.11 baseband signal transmitter/receiver;

wherein the second wireless device comprises a laptop computer communicating with the first wireless device via the 802.11 baseband signal transmitter/receiver; and

wherein the third wireless device comprises a watch communicating with the first wireless device.

80. (New) (Previously Presented) The system of claim 65 wherein the software component includes a network management software component that provides a disconnect service function that forces specific applications to disconnect from a specific service of the service repository software component.

81. (New) (Previously Presented) The system of claim 65 wherein the software component includes a network management software component that provides a disconnect terminal function that forces specific applications to disconnect from all services of a specific terminal of the short distance wireless network.

82. (New) (Previously Presented) The system of claim 65 wherein the software component includes a network management software component that provides a disable service function that halts any usage of a specific terminal's service.

83. (New) (Currently Amended) The system of claim 65 wherein the first wireless device further comprises:

wireless gateway device software comprising:

an operating system component;

telecommunication protocol stacks including a cellular signal telecommunication software and physical layer stack used to transmit and receive cellular signals, and a short-range radio communications software and physical layer stack used to transmit and receive short-range radio signals, wherein the short-range radio communications software includes software for 802.11 communications;

network management software comprising:

the router software, wherein the router software comprises a routing component for the exchange of IP packets between two wireless devices on the short distance wireless network, broadcasting of IP packets among all wireless devices on the short distance wireless network and routing of IP packets to and from the Internet;

server software that implements short distance wireless network oriented services, comprising:

a plug and play component;

a management software component, wherein the management software component enables configuration of the short distance wireless network; and

wherein the service repository software component allows applications to discover available services offered by wireless devices on the short distance wireless network, and to determine characteristics of the available services.

84. (New) (Currently Amended) The system of claim 83, wherein the telecommunications protocol stacks of the wireless gateway device software in the first wireless device includes a

media abstraction layer that allows the operating system component to communicate with the cellular and the 802.11 physical layers.

85. (New) (Previously Presented) The system of claim 65 wherein the router software of the first wireless device further comprises a router software component including a domain naming service ("DNS") software component to enable a terminal on the short distance wireless network to query another terminal's address based on the other terminal's name.

86. (New) (Previously Presented) The system of claim 65 wherein the first wireless device further comprises a domain naming service ("DNS") software component configured to translate services between human readable names and IP addresses.

87. (New) (Previously Presented) The system of claim 65 wherein the first wireless device further comprises a virtual private network ("VPN") software component.

88. (New) (Previously Presented) A system for providing access to information on a cellular network, comprising:

a first wireless device, in a short distance wireless network, to provide a first short-range radio signal; and,

a second wireless device, in the short distance wireless network and the cellular network, to selectively transfer information, including Internet Protocol ("IP") data packets, between the first wireless device and the cellular network in response to a security software component,

wherein the second wireless device and the first wireless device communicate using 802.11 communications for the first short-range radio signal,

wherein the second wireless device establishes the short distance wireless network using personal area network ("PAN") router software having a routing component enabling exchange of the IP packets between the first wireless device and the second wireless device, broadcasting

of IP packets between all devices on the short distance wireless network, and routing of the IP packets to and from the cellular network, and

wherein the second wireless device includes a service repository software component that identifies a plurality of services, in the short distance wireless network, associated with a plurality of wireless devices, and wherein the service repository software component searches for a service, in the plurality of services, to be used by an application software component stored in the first wireless device.

89. (New) (Previously Presented) The system of claim 88 wherein the second wireless device comprises an 802.11 transmitter/receiver.

90. (New) (Previously Presented) The system of claim 88 wherein the second wireless device comprises an 802.11 baseband software component.

91. (New) (Currently Amended) The system of claim 88 wherein the first wireless device comprises a laptop computer and the second wireless device comprises a phone.

92. (New) (Previously Presented) The system of claim 88 wherein the second wireless device includes PAN server software comprising:

a plug and play component configured to resolve device software to support a wireless device upon introduction to the PAN and download the device software to the wireless device; and

a network management component including a disconnect terminal function that disconnects a specific terminal;

wherein the service repository software component further provides service registration offered by an application or a hardware capability offered by a terminal driver, service unregistration that cancels a registered service, a listing of registered services that suit a specific class, and searching of services based on a general class of service.

93. (New) (Previously Presented) The system of claim 92 wherein the PAN router software further comprises:

a network address translator component configured to translate private IP addresses between the short distance wireless network and the cellular network; and

a dynamic host control protocol (DHCP) component configured to assign private IP addresses to devices on the short distance wireless network and to identify a Domain Name Server (DNS) address to devices on the short distance wireless network.

94. (New) (Currently Amended) The system of claim 88 wherein the second wireless device comprises:

a speaker, a microphone, and a touchscreen coupled to a processor; and

a telephony application, a personal information manager application, and a location application, the location application for providing a current location of the second wireless device.

95. (New) (Previously Presented) The system of claim 88 wherein the second wireless device comprises application server software configured to remove redundant capabilities from terminals on the short distance wireless network and consolidate the redundant capabilities in a centralized application server.

96. (New) (Previously Presented) The system of claim 88 wherein the second wireless device comprises application server software including an execution environment and file system services for executing software on the short distance wireless network.

97. (New) (Previously Presented) The system of claim 88 wherein the second wireless device comprises PAN server software having a plug and play component configured to download

device software to support a wireless device on the short distance wireless network from the Internet via the cellular network.

98. (New) (Previously Presented) The system of claim 88 wherein the second wireless device further comprises a domain naming service ("DNS") software component to enable a terminal on the short distance wireless network to query another terminal's address based on the other terminal's name.

99. (New) (Previously Presented) The system of claim 88 wherein the second wireless device further comprises a virtual private network ("VPN") software component.

100. (New) (Previously Presented) The system of claim 88 wherein the second wireless device comprises a tunneling and optimization component configured to transfer the IP data packets via a tunnel between the second wireless device and a landline operator's network.

101. (New) (Previously Presented) A handheld device, comprising:

an 802.11 signal transmitter/receiver;

a storage device; and

a processor, coupled to the storage device and the 802.11 transmitter/receiver;

the storage device to store a software component, and the processor operative with the software component to:

provide a short distance wireless network established by the handheld device communicating via the 802.11 signal transmitter/receiver with a terminal,

provide a network management component including a disconnect terminal function that forces disconnection from a specific terminal;

provide an Internet Protocol ("IP") data packet from the handheld device to the terminal using short-range radio signals of the 802.11 signal transmitter/receiver,

control access between the short distance wireless network and a cellular network,

translate between a first IP address provided to the handheld device and a second IP address for the terminal provided by the handheld device in the short distance wireless network,

enumerate a list of services available from the handheld device and the terminal, wherein the handheld device and the terminal register services available on the list, and

search the list of services for a service to be used by an application software component stored on the terminal.

102. (New) (Currently Amended) The handheld device of claim 101 wherein the short distance wireless network includes a terminal comprising a watch communicating with the handheld device.

103. (New) (Previously Presented) The handheld device of claim 101 further comprising service repository software that enumerates the list of services available from the handheld device and the terminal, provides service registration offered by an application or a hardware capability offered by a terminal driver, service unregistration that cancels a registered service, a listing of registered services that suit a specific class, and searching of services based on a general class of services.

104. (New) (Currently Amended) The handheld device of claim 101 further comprising:

a speaker, a microphone, and a touchscreen coupled to the processor; and

a telephony application, a personal information manager application including calendars, to do lists, emails, or contacts, and a location application for providing a current location of the handheld device.

105. (New) (Previously Presented) The handheld device of claim 104 further comprising:

a network address translator component configured to translate private IP addresses between the short distance wireless network and the cellular network; and

a dynamic host control protocol (DHCP) component configured to assign private IP addresses to devices on the short distance wireless network and to identify a Domain Name Server (DNS) address to devices on the short distance wireless network.

106. (New) (Currently Amended) The handheld device of claim 101 further comprising:

wireless gateway device software comprising:

an operating system component; and

telecommunication protocol stacks including a cellular signal telecommunication software and physical layer stack used to transmit and receive cellular signals, and a short-range radio communications software and physical layer stack used to transmit and receive short-range radio signals, wherein the short-range radio communications software includes software for 802.11 communications.

107. (New) (Previously Presented) The handheld device of claim 101 further comprising server software having a plug and play component configured to download device software from the Internet via the cellular network to support a terminal on the short distance wireless network.

108. (New) (Previously Presented) The handheld device of claim 101 further comprising a router software component including a domain naming service ("DNS") software component to enable a terminal on the short distance wireless network to query another terminal's address based on the other terminal's name.

109. (New) (Previously Presented) The handheld device of claim 101 further comprising a virtual private network ("VPN") software component.

110. (New) (Previously Presented) The handheld device of claim 101 further comprising a dynamic host control protocol ("DHCP") software component configured to manage an IP address space and IP services of the short distance wireless network.

111. (New) (Previously Presented) The handheld device of claim 101 wherein the processor is further operative with the software component to transmit the IP data packet via a tunnel between the handheld device and a landline operator's network.

112. (New) (Currently Amended) A first wireless handheld device, comprising:

a touchscreen;

an 802.11 signal transmitter/receiver;

a processor, coupled to the touchscreen and the short-range signal transmitter/receiver; and

a storage device coupled to the processor, the storage device to store at least one software component, the processor operative with the at least one software component to:

provide a graphics user interface,

transmit and receive 802.11 short-range radio signals;

access the Internet through a cellular network,

provide a first short-range radio signal to a second wireless handheld device and a second short-range radio signal to a third wireless device,

control access between the Internet and the first, second and third wireless devices,

establish a personal area network ("PAN") with the second and third wireless devices,

translate between a first Internet Protocol ("IP") address provided to the first wireless handheld device from the cellular network and a second address for the second wireless handheld device provided by the first wireless handheld device, and a third address for the third wireless device provided by the first wireless handheld device,

enumerate a list of services available from the first, second and third wireless devices, wherein the first, second and third wireless devices register services available on the list of services available, and

search the list of services available for a class of service to be used by an application software component at a particular time, the application software component stored on the second wireless handheld device.

113. (New) (Previously Presented) The first wireless handheld device of claim 112 wherein the at least one software component comprises a location application for providing a current location of the first wireless handheld device.

114. (New) (Currently Amended) The first wireless handheld device of claim 112 wherein the at least one software component comprises a location application for providing a current location of the first wireless handheld device, a personal information manager application, and a telephony application for providing telephone services.

115. (New) (Previously Presented) The first wireless handheld device of claim 114 wherein the at least one software component provides service unregistration that cancels a registered service from the list of services available.

116. (New) (Previously Presented) The first wireless handheld device of claim 112 wherein the at least one software component provides a disabling function that ceases offering a service in the list of services available.

117. (New) (Previously Presented) The first wireless handheld device of claim 112 wherein the at least one software component comprises a network management software component that provides a disconnect service function that forces specific applications to disconnect from a specific service in the list of services available.

118. (New) (Previously Presented) The first wireless handheld device of claim 112 wherein the at least one software component comprises a network management software component that provides a disconnect terminal function that forces specific applications to disconnect from all services of a specific terminal of the PAN.

119. (New) (Previously Presented) The first wireless handheld device of claim 112 wherein the at least one software component comprises a network management software component that provides a disable service function that halts any usage of a specific terminal's service.

120. (New) (Previously Presented) The first wireless handheld device of claim 112 further comprising a router software component including a domain naming service ("DNS") software component to enable a terminal on the PAN to query another terminal's address based on the other terminal's name.

121. (New) (Previously Presented) The first wireless handheld device of claim 112 further comprising a virtual private network ("VPN") software component.

122. (New) (Previously Presented) The first wireless handheld device of claim 112 wherein the processor is further operative with at least one software component to translate between the first IP address and the cellular network via a tunnel between the first wireless handheld device and a landline operator's network.

123. (New) (Currently Amended) An article of manufacture for a wireless device, including a computer readable medium, comprising:

a short-range radio software component to communicate with a second wireless device in a short distance wireless network using a short-range radio signal, wherein the short-range radio software component includes an 802.11 baseband software component;

a cellular software component to communicate with a cellular network by using a cellular signal;

a telephony application for providing call services, a personal information manager application, and a location application for providing a current location of the wireless device;

a network software component to selectively transfer an Internet Protocol ("IP") data packet between the wireless device and the cellular network;

a router software component to establish the short distance wireless network with at least the second wireless device, wherein the router software component comprises a routing component for exchange of IP packets;

a service repository software component to identify a plurality of available services from a plurality of devices including at least the second wireless device in the short distance wireless network, the service repository software component having a uniform interface so that both a local application software component and a remote application software component identifies the plurality of available services; and

a plurality of service logical drivers corresponding to the plurality of available services that are used to obtain the plurality of available services, the plurality of service logical drivers are used in obtaining the plurality of available services.

124. (New) (Previously Presented) The article of manufacture of claim 123 wherein the network software component is configured to selectively transfer an IP data packet between the wireless device and the cellular network via a tunnel between the wireless device and a landline operator's network.

Support for Proposed Amendments for '033 Patent Submitted with Response to Non-Final Office Action

Support for the amendments may be found at least in the following sections of the '033 Patent:

Claim	Support from '033 Patent
Claim 56. A handheld device for providing a short distance wireless network, comprising: a storage device; means for identifying an availability of a plurality of services to a plurality of application software components in the short distance wireless network; means for selectively providing the plurality of services to the plurality of application software components in the short distance wireless network; and means for selectively transferring an Internet Protocol ("IP") data packet between a cellular network and a selected application software component in the plurality of application software components in the short distance wireless network;	Original
wherein the handheld device further comprises 802.11 signal transmitter/receiver software and circuitry;	According to an embodiment of the present invention, the wireless gateway device includes a Bluetooth™ processor having a 2.4 GHZ transmitter. (2:33-35). According to an embodiment of the present invention, a Bluetooth™ transmitter is coupled to the processor. (3:23-24). In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36).

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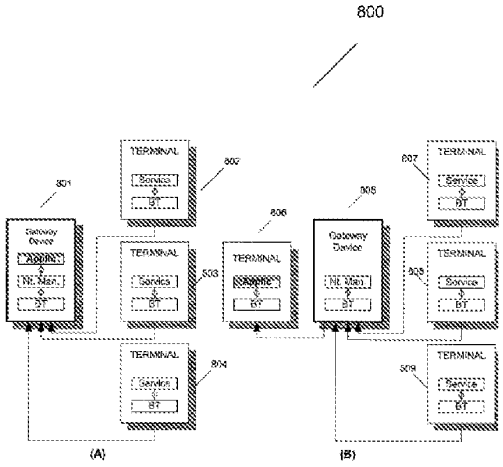
Claim	Support from '033 Patent
	GPRS baseband 503 and Bluetooth™ baseband 502 are software components used to generate communication signals to a cellular network 105 and terminals 107 as illustrated in FIG. 1. In an alternate embodiment, other baseband software components 501 are used to generate communication signals. (6:63-7:1).
wherein the handheld device further comprises software configured to establish the short distance wireless network using the 802.11 signal transmitter/receiver software and circuitry to communicate with at least a second wireless device in the short distance wireless network,	According to an embodiment of the present invention, a hand-held device for providing a personal area network is provided. The hand-held device comprises a storage device coupled to a processor. The storage device stores a software component for controlling the processor. The processor operates with the component to provide a short-range radio Internet protocol communication between the first hand-held wireless device and a second hand-held wireless device. (3:15-22). PAN router 404c establishes a PAN network, implementing communication primitives, IP networking, IP services and similar tasks. (7:13-15). According to an embodiment of the present invention, the first wireless device is selected from a group consisting of a desktop computer, a laptop computer, a personal digital assistant, a headset, a printer, a pager, a watch, digital camera and an equivalent thereof. (2:12-16). In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36). FIGS. 8a–b illustrate multiple wireless devices coupled to a wireless gateway device according to an embodiment of the present invention. (4:1-3).

Claim	Support from '033 Patent
	 Fig. 8
wherein the handheld device includes a telephony application and a personal information manager application; and	1st and 2nd software application components 406 communicate with management software 404 and provide additional services to a user. For example, application components 406 may include: 1) a stock quote application for providing stock quotes, 2) a personal information manager application including calendars, to do lists, emails, or contacts, 3) a synchronization software application for synchronizing databases, 4) a telephony application for providing telephone services, or 5) a location application for providing a current location of a gateway device. (6:46-55).
wherein the handheld device includes a location application for providing a current location of the handheld device.	1st and 2nd software application components 406 communicate with management software 404 and provide additional services to a user. For example, application components 406 may include: 1) a stock quote application for providing stock quotes, 2) a personal information manager application including calendars, to do lists, emails, or contacts, 3) a synchronization software application for synchronizing databases, 4) a telephony application

Claim	Support from '033 Patent
	for providing telephone services, or 5) a location application for providing a current location of a gateway device. (6:46-55). PAN application server 404a is responsible for implementing user and terminal oriented services and enables thin terminals. In an embodiment of the present invention, PAN application server 404a implements such applications as a GUI 407, a remote terminal driver application, a location application, a telephony application or an equivalent thereof. (7:21-26).
Claim 57. The handheld device of claim 56 further comprising a network management software component that provides a disconnect service function that forces specific applications to disconnect from a specific one of the plurality of services.	Management software component 703 provides functions to configure a PAN. First, management software component 703 provides a disconnect service function that forces specific applications to disconnect from a specific service. Second, management software component 703 provides a disconnect terminal function that forces specific applications to disconnect from all services of a specific terminal. Third, management software component 703 provides a disable service function that halts any usage of a specific terminal's service. Fourth, management software component 703 provides a disable terminal function that halts any usage of all services of a specific terminal. (11:53-65).
Claim 58. The handheld device of claim 56 further comprising a network management software component that provides a disconnect terminal function that forces specific application software components of the plurality of application software components to disconnect from all services of a specific terminal in the short distance wireless network.	Management software component 703 provides functions to configure a PAN. First, management software component 703 provides a disconnect service function that forces specific applications to disconnect from a specific service. Second, management software component 703 provides a disconnect terminal function that forces specific applications to disconnect from all services of a specific terminal. Third, management software component 703 provides a disable service function that halts any usage of a specific terminal's service.

Claim	Support from '033 Patent
	Fourth, management software component 703 provides a disable terminal function that halts any usage of all services of a specific terminal. (11:53-65).
Claim 59. The handheld device of claim 56 further comprising a network management software component that provides a disable service function that halts any usage of a specific terminal's service.	Management software component 703 provides functions to configure a PAN. First, management software component 703 provides a disconnect service function that forces specific applications to disconnect from a specific service. Second, management software component 703 provides a disconnect terminal function that forces specific applications to disconnect from all services of a specific terminal. Third, management software component 703 provides a disable service function that halts any usage of a specific terminal's service. Fourth, management software component 703 provides a disable terminal function that halts any usage of all services of a specific terminal. (11:53-65).
Claim 60. The handheld device of claim 56 further comprising a network management software component that provides a disable terminal function that halts any usage of all services of a specific terminal in the short distance wireless network.	Management software component 703 provides functions to configure a PAN. First, management software component 703 provides a disconnect service function that forces specific applications to disconnect from a specific service. Second, management software component 703 provides a disconnect terminal function that forces specific applications to disconnect from all services of a specific terminal. Third, management software component 703 provides a disable service function that halts any usage of a specific terminal's service. Fourth, management software component 703 provides a disable terminal function that halts any usage of all services of a specific terminal. (11:53-65).
Claim 61. The handheld device of claim 56 further comprising a gateway software stack, comprising: an operating system component; and	Gateway software 400 includes telecommunication software or physical layer protocol stacks, in particular cellular communications software 401 and short-range radio communications software 402. In an embodiment, communication software 401 is a

Claim	Support from '033 Patent
telecommunication protocol stacks including cellular signal telecommunication software and a physical layer stack used to transmit and receive cellular signals, and short range radio communications software and physical layer stack used to transmit and receive short range radio signals, wherein the short range radio communications software includes software for 802.11 communications.	GPRS baseband software component used with processor 306 to transmit and receive cellular signals. In an embodiment, communication software 402 is a Bluetooth™ baseband software component used with processor 307 to transmit and receive short-range radio signals. (6:17-26). In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36).
Claim 62. The handheld device of claim 56 further comprising a router software component including a domain naming service ("DNS") software component to enable a terminal on the short distance wireless network to query terminal's address based on the terminal's name.	DNS component 554 translates services between human readable names and IP addresses. DNS component 554 enables a terminal to query another terminal's address based on the other terminal's name and to query for the IP address of a named service on a WAN. (8:23-29).
Claim 63. The handheld device of claim 56 further comprising a virtual private network ("VPN") software component.	Security component 556 is a centralized managed way for controlling access to a secured private WAN. In order to avoid each one of the terminals from implementing its own security scheme and methods, a centralized security component 556 is used. In an embodiment of the present invention, security component 556 is a firewall 556a, VPN 556b or URL filter 556c, singly or in combination. (8:54-60).
Claim 64. The handheld device of claim 56 wherein the means for selectively transferring an Internet Protocol ("IP") data packet between a cellular network and a selected application software component in the plurality of application software components in the short distance wireless network further comprises a tunneling and optimization component configured to transfer the data packet via a tunnel between the handheld device and a landline operator's network.	Tunneling and Optimization component 555 allows terminals to use standard protocols. For example, accessing a WAN through a cellular GPRS/CDMA network using TCP/IP yields poor results because TCP/IP does not behave well over a bandwidth limited, high latency and high packet loss network, such as GPRS/CDMA. Tunneling and Optimization component 555 is used to enable practical usage of IP in such networks. When using cellular, the tunnel will be between a mobile device having a PAN router and a landline operator's network. The tunneling and optimization network translates IP packets to more efficient transport methods for the specific access technology,

Claim	Support from '033 Patent
	and vice versa in a fully transparent fashion. (8:31-46).
Claim 65. A system for providing access to the Internet, comprising: a first wireless device, in a short distance wireless network, having a software component to access information from the Internet by communicating with a cellular network in response to a first short-range radio signal wherein the first wireless device communicates with the cellular network and receives the first short-range radio signal,	Original Claim 1 (15:40-59) According to an embodiment of the present invention, a hand-held device for providing a personal area network is provided. The hand-held device comprises a storage device coupled to a processor. The storage device stores a software component for controlling the processor. The processor operates with the component to provide a short-range radio Internet protocol communication between the first hand-held wireless device and a second hand-held wireless device. (3:15-22).
wherein the first wireless device comprises router software to establish the short distance wireless network, wherein the router software comprises a routing component for exchange of IP packets;	FIG. 5a illustrates detailed gateway software architecture 500. In an embodiment of the present invention, network management software 404 illustrated in FIG. 4 includes three software components as illustrated in FIG. 5a: 1) PAN router 404c; 2) PAN server 404b; and 3) Application server 404a. (6:58-63). PAN router 404c establishes a PAN network, implementing communication primitives, IP networking, IP services and similar tasks. (7:13-15). Routing component 550 is implemented in Router 404c in order to realize a fully meshed IP network with access to a WAN. A routing component is responsible for imitating a fully meshed network based on a Master/Slave network. Routing component 550 enables exchange of IP packets between two terminals, broadcasting of IP packets between all terminals on a PAN and routing of IP packets to and from a WAN. (7:49-58).
wherein the first wireless device includes a speaker, a microphone, and a touchscreen,	Cellular, such as GSM, signals are transmitted and received using digital circuit 306, analog circuit 308, transmitter 310, receiver 311 and antenna 312. Digital circuit 306 is coupled to bus 305. In alternate embodiments, gateway device 106 includes a display,

Claim	Support from '033 Patent
	a speaker, a microphone, a keypad and a touchscreen, singly or in combination thereof. (5:37-42).
wherein the first wireless device includes software applications including a telephony application, a personal information manager application including emails, and a location application for providing a current location of the first wireless device; and,	1st and 2nd software application components 406 communicate with management software 404 and provide additional services to a user. For example, application components 406 may include: 1) a stock quote application for providing stock quotes, 2) a personal information manager application including calendars, to do lists, emails, or contacts, 3) a synchronization software application for synchronizing databases, 4) a telephony application for providing telephone services, or 5) a location application for providing a current location of a gateway device. (6:46-55).
a second wireless device, in the short distance wireless network, to provide the first short-range radio signal,	According to an embodiment of the present invention, a hand-held device for providing a personal area network is provided. The hand-held device comprises a storage device coupled to a processor. The storage device stores a software component for controlling the processor. The processor operates with the component to provide a short-range radio Internet protocol communication between the first hand-held wireless device and a second hand-held wireless device. (3:15-22).
wherein the software component includes a network address translator software component to translate between a first Internet Protocol ("IP") address provided to the first wireless device from the cellular network and a second address for the second wireless device provided by the first wireless device,	FIG. 5b illustrates software components of PAN router 404c. In an embodiment of the present invention, routing component 550, Bluetooth™ LAN access Profile component 551, Dynamic Host Configuration Protocol/Point-to-Point Protocol ("DHCP/PPP") component 552 and Network Address Translator ("NAT") component 553 are used in PAN router 404c. In an alternate embodiment, Domain Naming Service ("DNS") component 554, Tunneling and Optimization component 555 and Security component 556, singly or in combination are used in PAN router 404c. (7:38-47).
wherein the software component includes a service repository software component to identify a service provided by the second wireless device.	2. PAN Server Components FIG. 7 illustrates software components of PAN server 404a according to an embodiment of the present invention: 1) plug and play software component 701, 2) PIN number management software component

Claim	Support from '033 Patent
	702, 3) management software component 703, 4) service repository software component 704, and 5) application loader 705. In alternate embodiments, more or less components are used. (10:1-9). First, service repository software component 704 provides service registration of a service offered by application, or a hardware capability offered by terminal driver. (12:35-38).
Claim 66. The system of claim 65 wherein the first wireless device comprises an 802.11 transmitter/receiver configured to receive the first short-range radio signal from the second wireless device.	In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36). GPRS baseband 503 and BluetoothTM baseband 502 are software components used to generate communication signals to a cellular network 105 and terminals 107 as illustrated in FIG. 1. In an alternate embodiment, other baseband software components 501 are used to generate communication signals. (6:63-7:1).
Claim 67. The system of claim 65 wherein the first wireless device comprises a Bluetooth signal transmitter/receiver.	In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36). Gateway software 400 includes telecommunication software or physical layer protocol stacks, in particular cellular communications software 401 and short-range radio communications software 402. In an embodiment, communication software 401 is a GPRS baseband software component used with processor 306 to transmit and receive cellular signals. In an embodiment, communication software 402 is a Bluetooth™ baseband software component used with processor 307 to transmit and receive short-range radio signals. (6:17-26).
Claim 68. The system of claim 65 wherein the software component of the	Gateway software 400 includes telecommunication software or physical layer protocol stacks, in particular cellular communications software 401 and

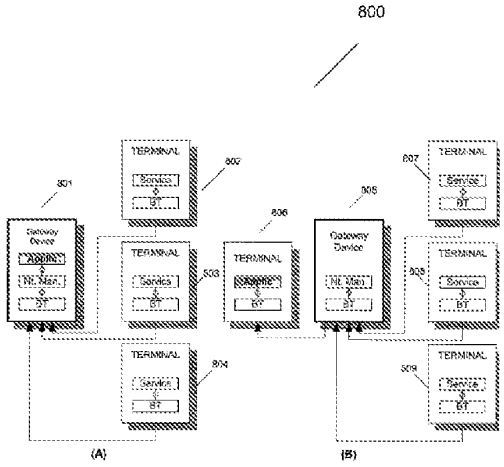
Claim	Support from '033 Patent
first wireless device includes an 802.11 baseband software component.	short-range radio communications software 402. In an embodiment, communication software 401 is a GPRS baseband software component used with processor 306 to transmit and receive cellular signals. In an embodiment, communication software 402 is a Bluetooth™ baseband software component used with processor 307 to transmit and receive short-range radio signals. (6:17-26). GPRS baseband 503 and BluetoothTM baseband 502 are software components used to generate communication signals to a cellular network 105 and terminals 107 as illustrated in FIG. 1. In an alternate embodiment, other baseband software components 501 are used to generate communication signals. (6:63-7:1).
Claim 69. The system of claim 65 wherein the software component of the first wireless device includes a Bluetooth baseband software component.	Gateway software 400 includes telecommunication software or physical layer protocol stacks, in particular cellular communications software 401 and short-range radio communications software 402. In an embodiment, communication software 401 is a GPRS baseband software component used with processor 306 to transmit and receive cellular signals. In an embodiment, communication software 402 is a Bluetooth™ baseband software component used with processor 307 to transmit and receive short-range radio signals. (6:17-26).
Claim 70. The system of claim 65 wherein the software component of the first wireless device comprises: a Bluetooth baseband software component; and a GPRS baseband software component.	In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36). Gateway software 400 includes telecommunication software or physical layer protocol stacks, in particular cellular communications software 401 and short-range radio communications software 402. In an embodiment, communication software 401 is a GPRS baseband software component used with processor 306 to transmit and receive cellular signals. In an embodiment, communication software 402 is a Bluetooth™ baseband software component used with

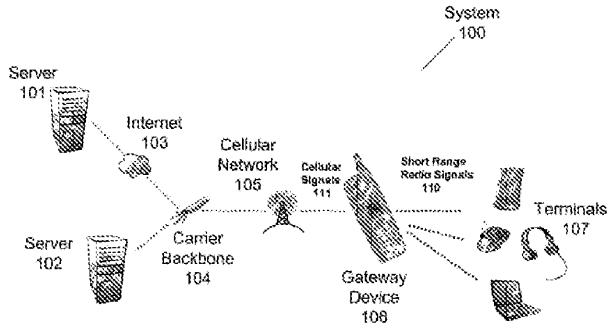
Claim	Support from '033 Patent
	processor 307 to transmit and receive short-range radio signals. (6:17-26). GPRS baseband 503 and BluetoothTM baseband 502 are software components used to generate communication signals to a cellular network 105 and terminals 107 as illustrated in FIG. 1. In an alternate embodiment, other baseband software components 501 are used to generate communication signals. (6:63-7:1).
Claim 71. The system of claim 65 wherein the first wireless device communicates with at least one device on the short distance wireless network using 802.11 communications.	In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36).
Claim 72. The system of claim 65 wherein the first wireless device communicates with at least one device on the short distance wireless network using Bluetooth communications.	According to an embodiment of the present invention, a Bluetooth™ transmitter is coupled to the processor. (3:23-24).
Claim 73. The system of claim 65 wherein the first wireless device further comprises: a tunneling and optimization component configured to transmit data packets via a tunnel between the first wireless device and a landline operator's network.	FIG. 5b illustrates software components of PAN router 404c. In an embodiment of the present invention, routing component 550, Bluetooth™ LAN access Profile component 551, Dynamic Host Configuration Protocol/Point-to-Point Protocol ("DHCP/PPP") component 552 and Network Address Translator ("NAT") component 553 are used in PAN router 404c. In an alternate embodiment, Domain Naming Service ("DNS") component 554, Tunneling and Optimization component 555 and Security component 556, singly or in combination are used in PAN router 404c. (7:38-47). Tunneling and Optimization component 555 is used to enable practical usage of IP in such networks. When using cellular, the tunnel will be between a mobile device having a PAN router and a landline operator's network. The tunneling and optimization network translates IP packets to more efficient transport methods for the specific access technology,

Claim	Support from '033 Patent
	and vice versa in a fully transparent fashion. (8:40-46).
Claim 74. The system of claim 65 wherein the routing component of the router software on the first wireless device enables the exchange of IP packets between the second wireless device and a third wireless device in the short distance wireless network.	Routing component 550 is implemented in Router 404c in order to realize a fully meshed IP network with access to a WAN. A routing component is responsible for imitating a fully meshed network based on a Master/Slave network. Routing component 550 enables exchange of IP packets between two terminals, broadcasting of IP packets between all terminals on a PAN and routing of IP packets to and from a WAN. (7:49-58).
Claim 75. The system of claim 65 wherein the first wireless device comprises server software including a PIN number management component configured for initial pairing of the first wireless device and the second wireless device.	2. PAN Server Components FIG. 7 illustrates software components of PAN server 404a according to an embodiment of the present invention: 1) plug and play software component 701, 2) PIN number management software component 702, 3) management software component 703, 4) service repository software component 704, and 5) application loader 705. In alternate embodiments, more or less components are used. (10:1-9). c. PIN Number Management Component Whenever gateway device 106 and a terminal become aware of each other, a pairing process takes place between them. For example, gateway device 801 and terminal 802 are paired as illustrated in FIG. 8a. When this pairing takes place for a first time (or when the link key that they were sharing has been lost in one or both sides for any reason), a claimant side (for example, gateway device 801) must know a PIN number of terminal 802 in order to carry out a successful pairing. PAN server 404b will supply PIN number information to PAN router 404c for that purpose. A PIN number is used to generate an initialization key that is used as an encryption key for the exchange of initial parameters between a gateway device and terminals. In an embodiment of the present invention, PAN server 404b must be able to supply PIN number information according to different criteria. For example, PAN server 404b supplies PIN numbers for only those terminals that

Claim	Support from '033 Patent
	are associated with a certain terminal class or ID number. (10:51-11:3).
Claim 76. The system of claim 75 wherein the PIN number management component maintains on the first wireless device, a local database of PIN numbers and attributes.	PIN number management software component 702 maintains a local database of PIN numbers with some attributes. An attribute may include a terminal class or terminal ID. PIN number management software component 702 adds, deletes and retrieves PIN numbers from the database. PIN number software component 702 also may retrieve all PIN numbers associated with a screen terminal class. In an embodiment, PIN number management software component 702 will have a persistent database. In an alternate embodiment, PIN number management software component 702 will not have a persistent database. (11:31-40).
Claim 77. The system of claim 65 wherein the service repository software component provides service unregistration that cancels a registered service.	FIG. 6 illustrates software interfaces for PAN server 404b shown in FIG. 5a. PAN server 404b provides application program interfaces ("API") to applications 406. Applications 406 also queries PAN server 404b for specific services and/or terminal attributes in a PAN. Applications 406 provide at least three types of information to PAN server 404b. Applications 406 provide a Personal Identification Number ("PIN") number, network configuration information, service registration and unregistration information. PAN server 404a provides services and devices enumeration information to applications 406. In an embodiment of the present invention, a PIN number is an authorization code to enable a terminal to connect to a PAN. (9:34-47). Second, service repository software component 704 provides service unregistration that cancels a registered service. (12:38-39).
Claim 78. The system of claim 65 wherein the service repository software component provides a disabling function that ceases offering a service.	Sixth, service repository software component 704 provides a disabling function that ceases offering an unfriendly service. (12:57-59).
Claim 79. The system of claim 65 further comprising a third wireless device;	In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or

Claim	Support from '033 Patent
wherein the first wireless device includes an 802.11 baseband signal transmitter/receiver;	HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36). GPRS baseband 503 and BluetoothTM baseband 502 are software components used to generate communication signals to a cellular network 105 and terminals 107 as illustrated in FIG. 1. In an alternate embodiment, other baseband software components 501 are used to generate communication signals. (6:63-7:1). Gateway software 400 includes telecommunication software or physical layer protocol stacks, in particular cellular communications software 401 and short-range radio communications software 402. In an embodiment, communication software 401 is a GPRS baseband software component used with processor 306 to transmit and receive cellular signals. In an embodiment, communication software 402 is a Bluetooth™ baseband software component used with processor 307 to transmit and receive short-range radio signals. (6:17-26). FIGS. 8a–b illustrate multiple wireless devices coupled to a wireless gateway device according to an embodiment of the present invention. (4:1-3).

Claim	Support from '033 Patent
	 Fig. 8
wherein the second wireless device comprises a laptop computer communicating with the first wireless device via the 802.11 baseband signal transmitter/receiver; and wherein the third wireless device comprises a watch communicating with the first wireless device.	In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36). According to an embodiment of the present invention, the first wireless device is selected from a group consisting of a desktop computer, a laptop computer, a personal digital assistant, a headset, a printer, a pager, a watch, digital camera and an equivalent thereof. (2:12-16).

Claim	Support from '033 Patent
	 Fig. 1 FIG. 1 illustrates a system according to an embodiment of the present invention. (3:54-55).
Claim 80. The system of claim 65 wherein the software component includes a network management software component that provides a disconnect service function that forces specific applications to disconnect from a specific service of the service repository software component.	Management software component 703 provides functions to configure a PAN. First, management software component 703 provides a disconnect service function that forces specific applications to disconnect from a specific service. Second, management software component 703 provides a disconnect terminal function that forces specific applications to disconnect from all services of a specific terminal. Third, management software component 703 provides a disable service function that halts any usage of a specific terminal's service. Fourth, management software component 703 provides a disable terminal function that halts any usage of all services of a specific terminal. (11:53-65).
Claim 81. The system of claim 65 wherein the software component includes a network management software component that provides a disconnect terminal function that forces specific applications to disconnect from all services of a specific terminal of the short distance wireless network.	Management software component 703 provides functions to configure a PAN. First, management software component 703 provides a disconnect service function that forces specific applications to disconnect from a specific service. Second, management software component 703 provides a disconnect terminal function that forces specific applications to disconnect from all services of a specific terminal.

Claim	Support from '033 Patent
	Third, management software component 703 provides a disable service function that halts any usage of a specific terminal's service. Fourth, management software component 703 provides a disable terminal function that halts any usage of all services of a specific terminal. (11:53-65).
Claim 82. The system of claim 65 wherein the software component includes a network management software component that provides a disable service function that halts any usage of a specific terminal's service.	Management software component 703 provides functions to configure a PAN. First, management software component 703 provides a disconnect service function that forces specific applications to disconnect from a specific service. Second, management software component 703 provides a disconnect terminal function that forces specific applications to disconnect from all services of a specific terminal. Third, management software component 703 provides a disable service function that halts any usage of a specific terminal's service. Fourth, management software component 703 provides a disable terminal function that halts any usage of all services of a specific terminal. (11:53-65).
Claim 83. The system of claim 65 wherein the first wireless device further comprises: wireless gateway device software comprising: an operating system component;	In an embodiment of the present invention, operating system 403 is used to communicate with telecommunications software 401 and 402. In an embodiment of the present invention, operating system 403 is a Linux operating system, EPOC operating system available from Symbian software of London, United Kingdom or a PocketPC or a Stinger operating system available from Microsoft of Redmond, Wash. Operating system 403 manages hardware and enables execution space for gateway device software components. (6:27-35) A system, coupled to a cellular network, provides access to the Internet according to an embodiment of the present invention. The system comprises a wireless gateway device, coupled to the cellular network, having a network manager software component for accessing information from the

Claim	Support from '033 Patent
	Internet responsive to a first short-range radio signal. A first wireless device is coupled to the wireless gateway device. The first wireless device provides the first short-range radio signal. (2:1-11).
telecommunication protocol stacks including a cellular signal telecommunication software and physical layer stack used to transmit and receive cellular signals, and a short-range radio communications software and physical layer stack used to transmit and receive short-range radio signals, wherein the short-range radio communications software includes software for 802.11 communications;	In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36). Gateway software 400 includes telecommunication software or physical layer protocol stacks, in particular cellular communications software 401 and short-range radio communications software 402. In an embodiment, communication software 401 is a GPRS baseband software component used with processor 306 to transmit and receive cellular signals. In an embodiment, communication software 402 is a Bluetooth™ baseband software component used with processor 307 to transmit and receive short-range radio signals. (6:17-26). Media abstraction layer 504 allows operating system 403 to communicate with basebands 503, 502, and 501, respectively. Media abstraction layer 504 and other abstraction layers, described herein, translate a particular communication protocol, such as GPRS, into a standard command set used by a gateway device and/or terminal. (7:1-6).
network management software comprising: the router software, wherein the router software comprises a routing component for the exchange of IP packets between two wireless devices on the short distance wireless network, broadcasting of IP packets among all wireless devices on the short distance wireless network and routing of IP packets to and from the Internet;	PAN router 404c establishes a PAN network, implementing communication primitives, IP networking, IP services and similar tasks. (7:13-15). Routing component 550 is implemented in Router 404c in order to realize a fully meshed IP network with access to a WAN. A routing component is responsible for imitating a fully meshed network based on a Master/Slave network. Routing component 550 enables exchange of IP packets between two terminals, broadcasting of IP

Claim	Support from '033 Patent
	packets between all terminals on a PAN and routing of IP packets to and from a WAN. (7:49-58).
server software that implements short distance wireless network oriented services, comprising: a plug and play component;	a. Plug and Play Component When a new terminal is introduced to a PAN, the software to support this terminal needs to be located, downloaded and executed. The Plug and Play component is responsible for identifying the introduction of the new terminal and deciding on the software needed to be downloaded. An example of the Plug and Play usage is when a new thin terminal, like a messaging terminal, is introduced to a PAN. The terminal itself, being thin, has no embedded application code or data. The appropriate software package (messaging software in this case) needs to be found, downloaded and executed. The Plug and Play component will identify the messaging terminal and resolve the needed software to support it. FIG. 7 illustrates the operation of Plug & Play component 701. In response to a terminal ID from PAN router 404c, Plug and Play component 701 will access the software package for a selected terminal from backend middleware 485 or locally from gateway device 106 memory. If the selected package is not locally available in gateway device 106 memory, a URL is provided from backend middleware 485 for accessing the package remotely. In an embodiment of the present invention, the selected package will install and run on different modules (typically but not necessarily a shell, service/terminal drivers and applications that can run on the terminal). (10:11-37).
a management software component, wherein the management software component enables configuration of the short distance wireless network; and	Management software component 703 provides functions to configure a PAN. (11:51-52). Third, management software component 703 provides a disable service function that halts any usage of a specific terminal's service. Fourth, management software component 703 provides a disable terminal function that halts any

Claim	Support from '033 Patent
	usage of all services of a specific terminal. (11:59-65).
wherein the service repository software component allows applications to discover available services offered by wireless devices on the short distance wireless network, and to determine characteristics of the available services.	Service repository software component 704 allows applications 406, which run on a gateway device 106 or terminals 107, to discover what services are offered by a PAN, and to determine the characteristics of the available services. (12:11-14).
Claim 84. The system of claim 83, wherein the telecommunications protocol stacks of the wireless gateway device software in the first wireless device includes a media abstraction layer that allows the operating system component to communicate with the cellular and the 802.11 physical layers.	Media abstraction layer 504 obtains an SDP of a remote terminal application. Media abstraction layer 504 passes the SDP call to service repository 704. Service repository 704 answers media abstraction layer 504, using SDP, according to services that are registered. The abstraction layer 504 then sends the answers to an application on remote terminal. (14:59-67). In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36).
Claim 85. The system of claim 65 wherein the router software of the first wireless device further comprises a router software component including a domain naming service ("DNS") software component to enable a terminal on the short distance wireless network to query another terminal's address based on the other terminal's name.	DNS component 554 translates services between human readable names and IP addresses. DNS component 554 enables a terminal to query another terminal's address based on the other terminal's name and to query for the IP address of a named service on a WAN. (8:23-29).
Claim 86. The system of claim 65 wherein the first wireless device further comprises a domain naming service ("DNS") software component configured to translate services between human readable names and IP addresses.	DNS component 554 translates services between human readable names and IP addresses. DNS component 554 enables a terminal to query another terminal's address based on the other terminal's name and to query for the IP address of a named service on a WAN. (8:23-29).
Claim 87. The system of claim 65 wherein the first wireless device further comprises a virtual private network ("VPN") software component.	Security component 556 is a centralized managed way for controlling access to a secured private WAN. In order to avoid each one of the terminals from implementing its own security scheme and methods, a centralized security component 556 is used. In an

Claim	Support from '033 Patent
	embodiment of the present invention, security component 556 is a firewall 556a, VPN 556b or URL filter 556c, singly or in combination. (8:54-60).
Claim 88. A system for providing access to information on a cellular network, comprising: a first wireless device, in a short distance wireless network, to provide a first short-range radio signal; and,	Original Claim 25 (16:64-67) In an embodiment of the present invention, gateway device 106 is coupled to cellular network 105 by cellular signals 111 using a protocol, such as a Global and System for Mobile communications ("GSM") protocol. In alternate embodiments, a Code Division Multiple Access ("CDMA"), CDMA 2000 or Time Division Multiple Access ("TDMA"), or General Packet Radio Service ("GPRS") protocol is used. (4:37-42).
a second wireless device, in the short distance wireless network and the cellular network, to selectively transfer information, including Internet Protocol ("IP") data packets, between the first wireless device and the cellular network in response to a security software component,	Original Claim 25 (17:1-6). 7. Security Component Accessing a WAN can typically be done in two ways: unsecured when accessing a public network, such as the Internet, or secured when accessing a private network, such as an Enterprise network, file system or Exchange server. Security component 556 is a centralized managed way for controlling access to a secured private WAN. In order to avoid each one of the terminals from implementing its own security scheme and methods, a centralized security component 556 is used. In an embodiment of the present invention, security component 556 is a firewall 556a, VPN 556b or URL filter 556c, singly or in combination. (8:48-60).
wherein the second wireless device and the first wireless device communicate using 802.11 communications for the first short-range radio signal,	In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36). GPRS baseband 503 and BluetoothTM baseband 502 are software components used to generate communication signals to a cellular network 105 and terminals 107 as illustrated in FIG. 1. In an alternate embodiment, other baseband software components 501 are used to generate communication signals. Media abstraction layer 504 allows operating system

Claim	Support from '033 Patent
	403 to communicate with basebands 503, 502, and 501, respectively. (6:63-7:3).
wherein the second wireless device establishes the short distance wireless network using personal area network ("PAN") router software having a routing component enabling exchange of the IP packets between the first wireless device and the second wireless device, broadcasting of IP packets between all devices on the short distance wireless network, and routing of the IP packets to and from the cellular network, and	PAN router 404c establishes a PAN network, implementing communication primitives, IP networking, IP services and similar tasks. (7:13-15). Routing component 550 is implemented in Router 404c in order to realize a fully meshed IP network with access to a WAN. A routing component is responsible for imitating a fully meshed network based on a Master/Slave network. Routing component 550 enables exchange of IP packets between two terminals, broadcasting of IP packets between all terminals on a PAN and routing of IP packets to and from a WAN. (7:49-58).
wherein the second wireless device includes a service repository software component that identifies a plurality of services, in the short distance wireless network, associated with a plurality of wireless devices, and wherein the service repository software component searches for a service, in the plurality of services, to be used by an application software component stored in the first wireless device.	Original Claim 25 (17:7-14) Fourth, service repository software component 704 also provides searching of services. This function describes whether listed terminals support listed services. This function enables an application to quickly locate a specific service. A search of a general class of service, such as a search for a printers may be performed. Likewise, a search for specific attributes associated with that service, for example laser or color, is provided. Further, a search for specific instance of a service, for example a HP LaserJet model GTI, is also provided. (12:42-52).
Claim 89. The system of claim 88 wherein the second wireless device comprises an 802.11 transmitter/receiver.	In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36). GPRS baseband 503 and BluetoothTM baseband 502 are software components used to generate communication signals to a cellular network 105 and terminals 107 as illustrated in FIG. 1. In an alternate embodiment, other baseband software components 501 are used to generate communication signals. Media abstraction layer 504 allows operating system

Claim	Support from '033 Patent
	403 to communicate with basebands 503, 502, and 501, respectively. (6:66-7:3).
Claim 90. The system of claim 88 wherein the second wireless device comprises an 802.11 baseband software component.	In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36). Gateway software 400 includes telecommunication software or physical layer protocol stacks, in particular cellular communications software 401 and short-range radio communications software 402. In an embodiment, communication software 401 is a GPRS baseband software component used with processor 306 to transmit and receive cellular signals. In an embodiment, communication software 402 is a Bluetooth™ baseband software component used with processor 307 to transmit and receive short-range radio signals. (6:17-26). GPRS baseband 503 and BluetoothTM baseband 502 are software components used to generate communication signals to a cellular network 105 and terminals 107 as illustrated in FIG. 1. In an alternate embodiment, other baseband software components 501 are used to generate communication signals. Media abstraction layer 504 allows operating system 403 to communicate with basebands 503, 502, and 501, respectively. (6:66-7:3).
Claim 91. The system of claim 88 wherein the first wireless device comprises a laptop computer and the second wireless device comprises a phone.	According to an embodiment of the present invention, the first wireless device is selected from a group consisting of a desktop computer, a laptop computer, a personal digital assistant, a headset, a printer, a pager, a watch, digital camera and an equivalent thereof. (2:12-16). According to an embodiment of the present invention, the wireless gateway device is a cellular telephone using a Code Division Multiple Access ("CDMA") protocol. According to an embodiment of the present invention, the wireless gateway device is a cellular

Claim	Support from '033 Patent
	telephone using a Time Division Multiple Access ("TDMA") protocol.(2:21-27)
Claim 92. The system of claim 88 wherein the second wireless device includes PAN server software comprising: a plug and play component configured to resolve device software to support a wireless device upon introduction to the PAN and download the device software to the wireless device; and	a. Plug and Play Component When a new terminal is introduced to a PAN, the software to support this terminal needs to be located, downloaded and executed. The Plug and Play component is responsible for identifying the introduction of the new terminal and deciding on the software needed to be downloaded. An example of the Plug and Play usage is when a new thin terminal, like a messaging terminal, is introduced to a PAN. The terminal itself, being thin, has no embedded application code or data. The appropriate software package (messaging software in this case) needs to be found, downloaded and executed. The Plug and Play component will identify the messaging terminal and resolve the needed software to support it. FIG. 7 illustrates the operation of Plug & Play component 701. In response to a terminal ID from PAN router 404c, Plug and Play component 701 will access the software package for a selected terminal from backend middleware 485 or locally from gateway device 106 memory. If the selected package is not locally available in gateway device 106 memory, a URL is provided from backend middleware 485 for accessing the package remotely. In an embodiment of the present invention, the selected package will install and run on different modules (typically but not necessarily a shell, service/terminal drivers and applications that can run on the terminal). (10:11-37).
a network management component including a disconnect terminal function that disconnects a specific terminal;	Management software component 703 provides functions to configure a PAN. First, management software component 703 provides a disconnect service function that forces specific applications to disconnect from a specific service. Second, management software component 703 provides a disconnect terminal function that forces specific applications to disconnect from all services of a specific terminal.

Claim	Support from '033 Patent
	Third, management software component 703 provides a disable service function that halts any usage of a specific terminal's service. Fourth, management software component 703 provides a disable terminal function that halts any usage of all services of a specific terminal. (11:53-65).
wherein the service repository software component further provides service registration offered by an application or a hardware capability offered by a terminal driver, service unregistration that cancels a registered service, a listing of registered services that suit a specific class, and searching of services based on a general class of service.	Service repository software component 704 offers a plurality of functions. First, service repository software component 704 provides service registration of a service offered by application, or a hardware capability offered by terminal driver. Second, service repository software component 704 provides service unregistration that cancels a registered service. Third, service repository software component 704 provides registered services that suit a specific class. Fourth, service repository software component 704 also provides searching of services. This function describes whether listed terminals support listed services. This function enables an application to quickly locate a specific service. A search of a general class of service, such as a search for a printers may be performed. Likewise, a search for specific attributes associated with that service, for example laser or color, is provided. Further, a search for specific instance of a service, for example a HP LaserJet model GTI, is also provided. (12:33-52). FIG. 6 illustrates software interfaces for PAN server 404bshown in FIG. 5a. PAN server 404b provides application program interfaces ("API") to applications 406. Applications 406 also queries PAN server 404b for specific services and/or terminal attributes in a PAN. Applications 406 provide at least three types of information to PAN server 404b. Applications 406 provide a Personal Identification Number ("PIN") number, network configuration information, service registration and unregistration information. PAN server 404a provides services and

Claim	Support from '033 Patent
	devices enumeration information to applications 406. In an embodiment of the present invention, a PIN number is an authorization code to enable a terminal to connect to a PAN. (9:34-47).
Claim 93. The system of claim 92 wherein the PAN router software further comprises: a network address translator component configured to translate private IP addresses between the short distance wireless network and the cellular network; and	FIG. 5b illustrates software components of PAN router 404c. In an embodiment of the present invention, routing component 550, Bluetooth™ LAN access Profile component 551, Dynamic Host Configuration Protocol/Point-to-Point Protocol ("DHCP/PPP") component 552 and Network Address Translator ("NAT") component 553 are used in PAN router 404c. In an alternate embodiment, Domain Naming Service ("DNS") component 554, Tunneling and Optimization component 555 and Security component 556, singly or in combination are used in PAN router 404c. (7:38-47).
a dynamic host control protocol (DHCP) component configured to assign private IP addresses to devices on the short distance wireless network and to identify a Domain Name Server (DNS) address to devices on the short distance wireless network.	3. DHCP/PPP Component DHCP and PPP components 552 are used in order to enable an IP network. PPP realizes an IP network layered over LAP component 551. DHCP component manages a PAN's IP address space and IP services, enabling terminals to get IP networking properties, such as an IP address for a terminal, an address of a DNS and an address of a default gateway device. (8:5-13).
Claim 94. The system of claim 88 wherein the second wireless device comprises: a speaker, a microphone, and a touchscreen coupled to a processor; and	In an embodiment of the present invention, antenna 356 transmits and receives short-range radio signals from gateway device 300. In alternate embodiments, device 350 includes a display, a speaker, a microphone, a keypad and a touchscreen, singly or in combination thereof. (5:54-59).
a telephony application, a personal information manager application, and a location application, the location application for providing a current location of the second wireless device.	1st and 2nd software application components 406 communicate with management software 404 and provide additional services to a user. For example, application components 406 may include: 1) a stock quote application for providing stock quotes, 2) a personal information manager application including calendars, to do lists, emails, or contacts, 3) a synchronization software application for synchronizing databases, 4) a telephony application for providing telephone services, or 5) a location

Claim	Support from '033 Patent
	application for providing a current location of a gateway device. Furthermore, Graphics User Interface ("GUI") 407 is provided to allow a user-friendly interface. FIG. 5a illustrates detailed gateway software architecture 500. In an embodiment of the present invention, network management software 404 illustrated in FIG. 4 includes three software components as illustrated in FIG. 5a: 1) PAN router 404c; 2) PAN server 404b; and 3) Application server 404a. GPRS baseband 503 and BluetoothTM baseband 502 are software components used to generate communication signals to a cellular network 105 and terminals 107 as illustrated in FIG. 1. In an alternate embodiment, other baseband software components 501 are used to generate communication signals. Media abstraction layer 504 allows operating system 403 to communicate with basebands 503, 502, and 501, respectively. Media abstraction layer 504 and other abstraction layers, described herein, translate a particular communication protocol, such as GPRS, into a standard command set used by a gateway device and/or terminal. The purpose of an abstraction layer is to isolate the physical stacks from the rest of the gateway device software components. This enables future usage of different physical stacks without changing any of the upper layer software and allows the gateway device software to work with any communication protocol. PAN router 404c establishes a PAN network, implementing communication primitives, IP networking, IP services and similar tasks. PAN server 404b is responsible for implementing PAN oriented services such as plug and play, terminal enumeration, application loading, storage space and other services. In an embodiment, PAN server 404b communicates directly with applications 406 using application drivers. PAN application server 404a is responsible for implementing user and terminal oriented services

Claim	Support from '033 Patent
	and enables thin terminals. In an embodiment of the present invention, PAN application server 404a implements such applications as a GUI 407, a remote terminal &fiver application, a location application, a telephony application or an equivalent thereof. (6:46-7:26).
Claim 95. The system of claim 88 wherein the second wireless device comprises application server software configured to remove redundant capabilities from terminals on the short distance wireless network and consolidate the redundant capabilities in a centralized application server.	C. Application Server Application Server component 404a illustrated in FIG. 5a allows for removing redundant capabilities from terminals and consolidating them in a centralized application server. This allows significant added value in minimizing the cost and complexity of the terminals in a PAN, as well as making their design intuitive and easy to use. (13:19-27)
Claim 96. The system of claim 88 wherein the second wireless device comprises application server software including an execution environment and file system services for executing software on the short distance wireless network.	In an embodiment of the present invention, application server component 404a includes two components: 1) an execution environment and 2) services for being able to successfully execute software on a multi-terminal PAN, such as a file system. (13:28-32).
Claim 97. The system of claim 88 wherein the second wireless device comprises PAN server software having a plug and play component configured to download device software to support a wireless device on the short distance wireless network from the Internet via the cellular network.	a. Plug and Play Component When a new terminal is introduced to a PAN, the software to support this terminal needs to be located, downloaded and executed. The Plug and Play component is responsible for identifying the introduction of the new terminal and deciding on the software needed to be downloaded. An example of the Plug and Play usage is when a new thin terminal, like a messaging terminal, is introduced to a PAN. The terminal itself, being thin, has no embedded application code or data. The appropriate software package (messaging software in this case) needs to be found, downloaded and executed. The Plug and Play component will identify the messaging terminal and resolve the needed software to support it. FIG. 7 illustrates the operation of Plug & Play component 701. In response to a terminal ID from PAN router 404c, Plug and Play component 701 will access the software package for a selected terminal

Claim	Support from '033 Patent
	from backend middleware 485 or locally from gateway device 106 memory. If the selected package is not locally available in gateway device 106 memory, a URL is provided from backend middleware 485 for accessing the package remotely. In an embodiment of the present invention, the selected package will install and run on different modules (typically but not necessarily a shell, service/terminal drivers and applications that can run on the terminal). (10:11-37).
Claim 98. The system of claim 88 wherein the second wireless device further comprises a domain naming service ("DNS") software component to enable a terminal on the short distance wireless network to query another terminal's address based on the other terminal's name.	DNS component 554 translates services between human readable names and IP addresses. DNS component 554 enables a terminal to query another terminal's address based on the other terminal's name and to query for the IP address of a named service on a WAN. (8:23-29).
Claim 99. The system of claim 88 wherein the second wireless device further comprises a virtual private network ("VPN") software component.	Security component 556 is a centralized managed way for controlling access to a secured private WAN. In order to avoid each one of the terminals from implementing its own security scheme and methods, a centralized security component 556 is used. In an embodiment of the present invention, security component 556 is a firewall 556a, VPN 556b or URL filter 556c, singly or in combination. (8:54-60).
Claim 100. The system of claim 88 wherein the second wireless device comprises a tunneling and optimization component configured to transfer the IP data packets via a tunnel between the second wireless device and a landline operator's network.	Tunneling and Optimization component 555 allows terminals to use standard protocols. For example, accessing a WAN through a cellular GPRS/CDMA network using TCP/IP yields poor results because TCP/IP does not behave well over a bandwidth limited, high latency and high packet loss network, such as GPRS/CDMA. Tunneling and Optimization component 555 is used to enable practical usage of IP in such networks. When using cellular, the tunnel will be between a mobile device having a PAN router and a landline operator's network. The tunneling and optimization network translates IP packets to more efficient transport methods for the specific access technology,

Claim	Support from '033 Patent
	and vice versa in a fully transparent fashion. (8:31-46).
Claim 101. A handheld device comprising: an 802.11 signal transmitter/receiver;	In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36). GPRS baseband 503 and BluetoothTM baseband 502 are software components used to generate communication signals to a cellular network 105 and terminals 107 as illustrated in FIG. 1. In an alternate embodiment, other baseband software components 501 are used to generate communication signals. Media abstraction layer 504 allows operating system 403 to communicate with basebands 503, 502, and 501, respectively. (6:66-7:3).
a storage device; and	Original Claim 34 (17:40) The hand-held device comprises a storage device coupled to a processor. (3:17-18).
a processor, coupled to the storage device and the 802.11 transmitter/receiver;	In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36).
the storage device to store a software component and, the processor operative with the software component to: provide a short distance wireless network established by the handheld device communicating via the 802.11 signal transmitter/receiver with a terminal,	Original Claim 34 (17:40-43) In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36). The wireless hand-held device comprises a storage device coupled to a processor. The storage device stores a software component for controlling the processor. The processor operates with the component to provide a first short range radio signal to the router for accessing the Internet and a second short-range radio signal to the router for accessing another wireless hand-held device. (3:29-35).

Claim	Support from '033 Patent
provide a network management component including a disconnect terminal function that forces disconnection from a specific terminal;	Management software component 703 provides functions to configure a PAN. First, management software component 703 provides a disconnect service function that forces specific applications to disconnect from a specific service. Second, management software component 703 provides a disconnect terminal function that forces specific applications to disconnect from all services of a specific terminal. Third, management software component 703 provides a disable service function that halts any usage of a specific terminal's service. Fourth, management software component 703 provides a disable terminal function that halts any usage of all services of a specific terminal. (11:53-65).
provide an Internet Protocol ("IP") data packet from the handheld device to the terminal using short-range radio signals of the 802.11 signal transmitter/receiver, control access between the short distance wireless network and a cellular network,	Original Claim 34 (17:44-46) In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36).
translate between a first IP address provided to the handheld device and a second IP address for the terminal provided by the handheld device in the short distance wireless network,	Original Claim 34 (17:49-53) NAT component 553 translates a private IP address to and from a real IP address. Since mobile networks are typically capable of only providing a single IP address, the terminals will have to use private IP addresses supplied by NAT component 553. (8:17-21). Routing component 550 enables exchange of IP packets between two terminals, broadcasting of IP packets between all terminals on a PAN and routing of IP packets to and from a WAN. (7:55-58). Tunneling and Optimization component 555 allows terminals to use standard protocols. For example, accessing a WAN through a cellular GPRS/CDMA network using TCP/IP yields poor results because TCP/IP does not behave well over a bandwidth

Claim	Support from '033 Patent
	limited, high latency and high packet loss network, such as GPRS/CDMA. Tunneling and Optimization component 555 is used to enable practical usage of IP in such networks. When using cellular, the tunnel will be between a mobile device having a PAN router and a landline operator's network. The tunneling and optimization network translates IP packets to more efficient transport methods for the specific access technology, and vice versa in a fully transparent fashion. (8:31-46).
enumerate a list of services available from the handheld device and the terminal, wherein the handheld device and the terminal register services available on the list, and	Original Claim 34 (17:54-56) PAN server 404a provides services and devices enumeration information to applications 406. In an embodiment of the present invention, a PIN number is an authorization code to enable a terminal to connect to a PAN. (9:43-46) The second service method includes an application querying service repository 704 to provide the registered services that suit a requested service class. The application then searches the registered services to determine which capabilities are provided by the registered services. In an embodiment of the present invention, an application sorts the available services in order of preference. The application then queries abstract layer I/O whether the most preferred service is available. (14:49-57).
search the list of services for a service to be used by an application software component stored on the terminal.	Original Claim 34 (17:58-59) Service repository software component 704 offers a plurality of functions. First, service repository software component 704 provides service registration of a service offered by application, or a hardware capability offered by terminal driver. Second, service repository software component 704 provides service unregistration that cancels a registered service. Third, service repository software component 704

Claim	Support from '033 Patent
	provides registered services that suit a specific class. Fourth, service repository software component 704 also provides searching of services. This function describes whether listed terminals support listed services. This function enables an application to quickly locate a specific service. A search of a general class of service, such as a search for a printers may be performed. Likewise, a search for specific attributes associated with that service, for example laser or color, is provided. Further, a search for specific instance of a service, for example a HP LaserJet model GTI, is also provided. (12:33-52). In an embodiment, an application does not have to discover a service in order to connect with a terminal. If an application has previous knowledge of a terminal's service, the application needs to only search for the specific terminal. (13:1-4).
Claim 102. The handheld device of claim 101 wherein the short distance wireless network includes a terminal comprising a watch communicating with the handheld device.	According to an embodiment of the present invention, the first wireless device is selected from a group consisting of a desktop computer, a laptop computer, a personal digital assistant, a headset, a printer, a pager, a watch, digital camera and an equivalent thereof. (2:12-16).
Claim 103. The handheld device of claim 101 further comprising service repository software that enumerates the list of services available from the handheld device and the terminal, provides service registration offered by an application or a hardware capability offered by a terminal driver, service unregistration that cancels a registered service, a listing of registered services that suit a specific class, and searching of services based on a general class of services.	Service repository software component 704 offers a plurality of functions. First, service repository software component 704 provides service registration of a service offered by application, or a hardware capability offered by terminal driver. Second, service repository software component 704 provides service unregistration that cancels a registered service. Third, service repository software component 704 provides registered services that suit a specific class. Fourth, service repository software component 704 also provides searching of services. This function describes whether listed terminals support listed services. This function enables an application to quickly locate a specific service. A search of a general class of service, such as a search for a

Claim	Support from '033 Patent
	printers may be performed. Likewise, a search for specific attributes associated with that service, for example laser or color, is provided. Further, a search for specific instance of a service, for example a HP LaserJet model GTI, is also provided. (12:33-52) FIG. 6 illustrates software interfaces for PAN server 404bshown in FIG. 5a. PAN server 404b provides application program interfaces ("API") to applications 406. Applications 406 also queries PAN server 404b for specific services and/or terminal attributes in a PAN. Applications 406 provide at least three types of information to PAN server 404b. Applications 406 provide a Personal Identification Number ("PIN") number, network configuration information, service registration and unregistration information. PAN server 404a provides services and devices enumeration information to applications 406. In an embodiment of the present invention, a PIN number is an authorization code to enable a terminal to connect to a PAN. (9:34-47).
Claim 104. The handheld device of claim 101 further comprising: a speaker, a microphone, and a touchscreen coupled to the processor; and	In an embodiment of the present invention, antenna 356 transmits and receives short-range radio signals from gateway device 300. In alternate embodiments, device 350 includes a display, a speaker, a microphone, a keypad and a touchscreen, singly or in combination thereof. (5:54-59).
a telephony application, a personal information manager application including calendars, to do lists, emails, or contacts, and a location application for providing a current location of the handheld device.	1st and 2nd software application components 406 communicate with management software 404 and provide additional services to a user. For example, application components 406 may include: 1) a stock quote application for providing stock quotes, 2) a personal information manager application including calendars, to do lists, emails, or contacts, 3) a synchronization software application for synchronizing databases, 4) a telephony application for providing telephone services, or 5) a location application for providing a current location of a gateway device. Furthermore, Graphics User Interface ("GUI") 407 is provided to allow a user-friendly interface.

Claim	Support from '033 Patent
	FIG. 5a illustrates detailed gateway software architecture 500. In an embodiment of the present invention, network management software 404 illustrated in FIG. 4 includes three software components as illustrated in FIG. 5a: 1) PAN router 404c; 2) PAN server 404b; and 3) Application server 404a. GPRS baseband 503 and BluetoothTM baseband 502 are software components used to generate communication signals to a cellular network 105 and terminals 107 as illustrated in FIG. 1. In an alternate embodiment, other baseband software components 501 are used to generate communication signals. Media abstraction layer 504 allows operating system 403 to communicate with basebands 503, 502, and 501, respectively. Media abstraction layer 504 and other abstraction layers, described herein, translate a particular communication protocol, such as GPRS, into a standard command set used by a gateway device and/or terminal. The purpose of an abstraction layer is to isolate the physical stacks from the rest of the gateway device software components. This enables future usage of different physical stacks without changing any of the upper layer software and allows the gateway device software to work with any communication protocol. PAN router 404c establishes a PAN network, implementing communication primitives, IP networking, IP services and similar tasks. PAN server 404b is responsible for implementing PAN oriented services such as plug and play, terminal enumeration, application loading, storage space and other services. In an embodiment, PAN server 404b communicates directly with applications 406 using application drivers. PAN application server 404a is responsible for implementing user and terminal oriented services and enables thin terminals. In an embodiment of the present invention, PAN application server 404a implements such applications as a GUI 407, a remote

Claim	Support from '033 Patent
	terminal &fiver application, a location application, a telephony application or an equivalent thereof. (6:46-7:26).
Claim 105. The handheld device of claim 104 further comprising: a network address translator component configured to translate private IP addresses between the short distance wireless network and the cellular network; and a dynamic host control protocol (DHCP) component configured to assign private IP addresses to devices on the short distance wireless network and to identify a Domain Name Server (DNS) address to devices on the short distance wireless network.	FIG. 5b illustrates software components of PAN router 404c. In an embodiment of the present invention, routing component 550, Bluetooth™ LAN access Profile component 551, Dynamic Host Configuration Protocol/Point-to-Point Protocol ("DHCP/PPP") component 552 and Network Address Translator ("NAT") component 553 are used in PAN router 404c. In an alternate embodiment, Domain Naming Service ("DNS") component 554, Tunneling and Optimization component 555 and Security component 556, singly or in combination are used in PAN router 404c. (7:38-47).
Claim 106. The handheld device of claim 101 further comprising: wireless gateway device software comprising: an operating system component; and	According to an embodiment of the present invention, the network manager software component operates with an operating system software component. According to an embodiment of the present invention, the operating system component is a Linux, EPOC or a PocketPC operating system. (2:65-3:3)
telecommunication protocol stacks including a cellular signal telecommunication software and physical layer stack used to transmit and receive cellular signals, and a short-range radio communications software and physical layer stack used to transmit and receive short-range radio signals, wherein the short-range radio communications software includes software for 802.11 communications.	Gateway software 400 includes telecommunication software or physical layer protocol stacks, in particular cellular communications software 401 and short-range radio communications software 402. In an embodiment, communication software 401 is a GPRS baseband software component used with processor 306 to transmit and receive cellular signals. In an embodiment, communication software 402 is a Bluetooth™ baseband software component used with processor 307 to transmit and receive short-range radio signals. (6:17-26). In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36).

Claim	Support from '033 Patent
	GPRS baseband 503 and BluetoothTM baseband 502 are software components used to generate communication signals to a cellular network 105 and terminals 107 as illustrated in FIG. 1. In an alternate embodiment, other baseband software components 501 are used to generate communication signals. Media abstraction layer 504 allows operating system 403 to communicate with basebands 503, 502, and 501, respectively. (6:66-7:3). Original Claim 30 (17:27-29)
Claim 107. The handheld device of claim 101 further comprising server software having a plug and play component configured to download device software from the Internet via the cellular network to support a terminal on the short distance wireless network.	a. Plug and Play Component When a new terminal is introduced to a PAN, the software to support this terminal needs to be located, downloaded and executed. The Plug and Play component is responsible for identifying the introduction of the new terminal and deciding on the software needed to be downloaded. An example of the Plug and Play usage is when a new thin terminal, like a messaging terminal, is introduced to a PAN. The terminal itself, being thin, has no embedded application code or data. The appropriate software package (messaging software in this case) needs to be found, downloaded and executed. The Plug and Play component will identify the messaging terminal and resolve the needed software to support it. FIG. 7 illustrates the operation of Plug & Play component 701. In response to a terminal ID from PAN router 404c, Plug and Play component 701 will access the software package for a selected terminal from backend middleware 485 or locally from gateway device 106 memory. If the selected package is not locally available in gateway device 106 memory, a URL is provided from backend middleware 485 for accessing the package remotely. In an embodiment of the present invention, the selected package will install and run on different modules (typically but not necessarily a shell,

Claim	Support from '033 Patent
	service/terminal drivers and applications that can run on the terminal). (10:11-37).
Claim 108. The handheld device of claim 101 further comprising a router software component including a domain naming service ("DNS") software component to enable a terminal on the short distance wireless network to query another terminal's address based on the other terminal's name.	DNS component 554 translates services between human readable names and IP addresses. DNS component 554 enables a terminal to query another terminal's address based on the other terminal's name and to query for the IP address of a named service on a WAN. (8:23-29).
Claim 109. The handheld device of claim 101 further comprising a virtual private network ("VPN") software component.	Security component 556 is a centralized managed way for controlling access to a secured private WAN. In order to avoid each one of the terminals from implementing its own security scheme and methods, a centralized security component 556 is used. In an embodiment of the present invention, security component 556 is a firewall 556a, VPN 556b or URL filter 556c, singly or in combination. (8:54-60).
Claim 110. The handheld device of claim 101 further comprising a dynamic host control protocol ("DHCP") software component configured to manage an IP address space and IP services of the short distance wireless network.	3. DHCP/PPP Component DHCP and PPP components 552 are used in order to enable an IP network. PPP realizes an IP network layered over LAP component 551. DHCP component manages a PAN's IP address space and IP services, enabling terminals to get IP networking properties, such as an IP address for a terminal, an address of a DNS and an address of a default gateway device. (8:5-13).
Claim 111. The handheld device of claim 101 wherein the processor is further operative with the software component to transmit the IP data packet via a tunnel between the handheld device and a landline operator's network.	Tunneling and Optimization component 555 allows terminals to use standard protocols. For example, accessing a WAN through a cellular GPRS/CDMA network using TCP/IP yields poor results because TCP/IP does not behave well over a bandwidth limited, high latency and high packet loss network, such as GPRS/CDMA. Tunneling and Optimization component 555 is used to enable practical usage of IP in such networks. When using cellular, the tunnel will be between a mobile device having a PAN router and a landline operator's network. The tunneling and optimization network translates IP packets to more efficient transport methods for the specific access technology,

Claim	Support from '033 Patent
	and vice versa in a fully transparent fashion. (8:31-46).
Claim 112. A first wireless handheld device, comprising: a touchscreen;	Original Claim 42 (18:14-17) In an embodiment of the present invention, antenna 356 transmits and receives short-range radio signals from gateway device 300. In alternate embodiments, device 350 includes a display, a speaker, a microphone, a keypad and a touchscreen, singly or in combination thereof. (5:54-59).
an 802.11 signal transmitter/receiver; a processor, coupled to the touchscreen and the 802.11 signal transmitter/receivers; and	In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36). GPRS baseband 503 and BluetoothTM baseband 502 are software components used to generate communication signals to a cellular network 105 and terminals 107 as illustrated in FIG. 1. In an alternate embodiment, other baseband software components 501 are used to generate communication signals. Media abstraction layer 504 allows operating system 403 to communicate with basebands 503, 502, and 501, respectively. (6:66-7:3).
a storage device coupled to the processor, the storage device to store at least one software component, the processor operative with the at least one software component to: provide a graphics user interface,	Original Claim 42 (18:16-18) Furthermore, Graphics User Interface ("GUI") 407 is provided to allow a user-friendly interface. (6:56-57).
transmit and receive 802.11 short-range radio signals;	In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36). Original Claim 30 (17:27-29).
access the Internet through a cellular network, provide a first short-range radio signal to a second wireless handheld device and a second short-range radio	Original Claim 42 (18:19-20). According to an embodiment of the present invention, a hand-held device for providing a personal area network is provided. The hand-held

Claim	Support from '033 Patent
signal to a third wireless device, wherein at least the first short-range radio signal is an 802.11 signal,	device comprises a storage device coupled to a processor. The storage device stores a software component for controlling the processor. The processor operates with the component to provide a short-range radio Internet protocol communication between the first hand-held wireless device and a second hand-held wireless device. (3:15-22). In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36). Original Claim 30 (17:27-30)
control access between the Internet and the first, second and third wireless devices,	Original Claim 42 (18:23-24) For example, an application on terminal 809, shown in FIG. 8b, accesses a driver in gateway device 805 for a service provided by an application on terminal 806. Therefore, from an application's point of view, the SLD of the remote service acts the same way as a local application. (12:27-32).
establish a personal area network ("PAN") with the second and third wireless devices,	PAN router 404c establishes a PAN network, implementing communication primitives, IP networking, IP services and similar tasks. (7:13-15). FIG. 5a illustrates detailed gateway software architecture 500. In an embodiment of the present invention, network management software 404 illustrated in FIG. 4 includes three software components as illustrated in FIG. 5a: 1) PAN router 404c; 2) PAN server 404b; and 3) Application server 404a. (6:58-63). Routing component 550 is implemented in Router 404c in order to realize a fully meshed IP network with access to a WAN. A routing component is responsible for imitating a fully meshed network based on a Master/Slave network. Routing component 550 enables exchange of IP packets between two terminals, broadcasting of IP

Claim	Support from '033 Patent
	packets between all terminals on a PAN and routing of IP packets to and from a WAN. (7:49-58).
translate between a first Internet Protocol ("IP") address provided to the first wireless handheld device from the cellular network and a second address for the second wireless handheld device provided by the first wireless handheld device, and a third address for the third wireless device provided by the first wireless handheld device,	FIG. 5b illustrates software components of PAN router 404c. In an embodiment of the present invention, routing component 550, Bluetooth™ LAN access Profile component 551, Dynamic Host Configuration Protocol/Point-to-Point Protocol ("DHCP/PPP") component 552 and Network Address Translator ("NAT") component 553 are used in PAN router 404c. In an alternate embodiment, Domain Naming Service ("DNS") component 554, Tunneling and Optimization component 555 and Security component 556, singly or in combination are used in PAN router 404c. (7:38-47).
enumerate a list of services available from the first, second and third wireless devices, wherein the first, second and third wireless devices register services available on the list of services available, and	Original Claim 42 (18:32-36) Service repository software component 704 offers a plurality of functions. First, service repository software component 704 provides service registration of a service offered by application, or a hardware capability offered by terminal driver. (12:33-38). The second service method includes an application querying service repository 704 to provide the registered services that suit a requested service class. The application then searches the registered services to determine which capabilities are provided by the registered services. In an embodiment of the present invention, an application sorts the available services in order of preference. The application then queries abstract layer I/O whether the most preferred service is available. (14:49-57).
search the list of services available for a class of service to be used by an application software component at a particular time, the application software component stored on the second wireless handheld device.	Original Claim 42 (18:36-40) Fourth, service repository software component 704 also provides searching of services. This function describes whether listed terminals support listed services. This function enables an application to quickly locate a specific service. A search of a general class of service, such as a search for a

Claim	Support from '033 Patent
	printers may be performed. Likewise, a search for specific attributes associated with that service, for example laser or color, is provided. Further, a search for specific instance of a service, for example a HP LaserJet model GTI, is also provided. (12:43-52). In an embodiment, an application does not have to discover a service in order to connect with a terminal. If an application has previous knowledge of a terminal's service, the application needs to only search for the specific terminal. (13:1-4).
Claim 113. The first wireless handheld device of claim 112 wherein the at least one software component comprises a location application for providing a current location of the first wireless handheld device.	1st and 2nd software application components 406 communicate with management software 404 and provide additional services to a user. For example, application components 406 may include: 1) a stock quote application for providing stock quotes, 2) a personal information manager application including calendars, to do lists, emails, or contacts, 3) a synchronization software application for synchronizing databases, 4) a telephony application for providing telephone services, or 5) a location application for providing a current location of a gateway device. (6:46-55). PAN application server 404a is responsible for implementing user and terminal oriented services and enables thin terminals. In an embodiment of the present invention, PAN application server 404a implements such applications as a GUI 407, a remote terminal driver application, a location application, a telephony application or an equivalent thereof. (7:21-26).
Claim 114. The first wireless handheld device of claim 112 wherein the at least one software component comprises a location application for providing a current location of the first wireless handheld device, a personal information management application, and a telephony application for providing telephone services.	1st and 2nd software application components 406 communicate with management software 404 and provide additional services to a user. For example, application components 406 may include: 1) a stock quote application for providing stock quotes, 2) a personal information manager application including calendars, to do lists, emails, or contacts, 3) a synchronization software application for synchronizing databases, 4) a telephony application

Claim	Support from '033 Patent
	for providing telephone services, or 5) a location application for providing a current location of a gateway device. Furthermore, Graphics User Interface ("GUI") 407 is provided to allow a user-friendly interface. FIG. 5a illustrates detailed gateway software architecture 500. In an embodiment of the present invention, network management software 404 illustrated in FIG. 4 includes three software components as illustrated in FIG. 5a: 1) PAN router 404c; 2) PAN server 404b; and 3) Application server 404a. GPRS baseband 503 and BluetoothTM baseband 502 are software components used to generate communication signals to a cellular network 105 and terminals 107 as illustrated in FIG. 1. In an alternate embodiment, other baseband software components 501 are used to generate communication signals. Media abstraction layer 504 allows operating system 403 to communicate with basebands 503, 502, and 501, respectively. Media abstraction layer 504 and other abstraction layers, described herein, translate a particular communication protocol, such as GPRS, into a standard command set used by a gateway device and/or terminal. The purpose of an abstraction layer is to isolate the physical stacks from the rest of the gateway device software components. This enables future usage of different physical stacks without changing any of the upper layer software and allows the gateway device software to work with any communication protocol. PAN router 404c establishes a PAN network, implementing communication primitives, IP networking, IP services and similar tasks. PAN server 404b is responsible for implementing PAN oriented services such as plug and play, terminal enumeration, application loading, storage space and other services. In an embodiment, PAN server 404b communicates directly with applications 406 using application drivers. PAN application server 404a is responsible

Claim	Support from '033 Patent
	for implementing user and terminal oriented services and enables thin terminals. In an embodiment of the present invention, PAN application server 404a implements such applications as a GUI 407, a remote terminal &fiver application, a location application, a telephony application or an equivalent thereof. (6:46-7:26).
Claim 115. The first wireless handheld device of claim 114 wherein the at least one software component provides service unregistration that cancels a registered service from the list of services available.	Service repository software component 704 offers a plurality of functions. First, service repository software component 704 provides service registration of a service offered by application, or a hardware capability offered by terminal driver. Second, service repository software component 704 provides service unregistration that cancels a registered service. Third, service repository software component 704 provides registered services that suit a specific class. Fourth, service repository software component 704 also provides searching of services. This function describes whether listed terminals support listed services. This function enables an application to quickly locate a specific service. A search of a general class of service, such as a search for a printers may be performed. Likewise, a search for specific attributes associated with that service, for example laser or color, is provided. Further, a search for specific instance of a service, for example a HP LaserJet model GTI, is also provided. (12:33-52). FIG. 6 illustrates software interfaces for PAN server 404bshown in FIG. 5a. PAN server 404b provides application program interfaces ("API") to applications 406. Applications 406 also queries PAN server 404b for specific services and/or terminal attributes in a PAN. Applications 406 provide at least three types of information to PAN server 404b. Applications 406 provide a Personal Identification Number ("PIN") number, network configuration information, service registration and unregistration information. PAN server 404a provides services and

Claim	Support from '033 Patent
	devices enumeration information to applications 406. In an embodiment of the present invention, a PIN number is an authorization code to enable a terminal to connect to a PAN. (9:34-47)
Claim 116. The first wireless handheld device of claim 112 wherein the at least one software component provides a disabling function that ceases offering a service in the list of services available.	Sixth, service repository software component 704 provides a disabling function that ceases offering an unfriendly service. (12:57-59).
Claim 117. The first wireless handheld device of claim 112 wherein the at least one software component comprises a network management software component that provides a disconnect service function that forces specific applications to disconnect from a specific service in the list of services available.	Management software component 703 provides functions to configure a PAN. First, management software component 703 provides a disconnect service function that forces specific applications to disconnect from a specific service. Second, management software component 703 provides a disconnect terminal function that forces specific applications to disconnect from all services of a specific terminal. Third, management software component 703 provides a disable service function that halts any usage of a specific terminal's service. Fourth, management software component 703 provides a disable terminal function that halts any usage of all services of a specific terminal. (11:53-65).
Claim 118. The first wireless handheld device of claim 112 wherein the at least one software component comprises a network management software component that provides a disconnect terminal function that forces specific applications to disconnect from all services of a specific terminal of the PAN.	Management software component 703 provides functions to configure a PAN. First, management software component 703 provides a disconnect service function that forces specific applications to disconnect from a specific service. Second, management software component 703 provides a disconnect terminal function that forces specific applications to disconnect from all services of a specific terminal. Third, management software component 703 provides a disable service function that halts any usage of a specific terminal's service. Fourth, management software component 703 provides a disable terminal function that halts any usage of all services of a specific terminal. (11:53-65).

Claim	Support from '033 Patent
Claim 119. The first wireless handheld device of claim 112 wherein the at least one software component comprises a network management software component that provides a disable service function that halts any usage of a specific terminal's service.	Management software component 703 provides functions to configure a PAN. First, management software component 703 provides a disconnect service function that forces specific applications to disconnect from a specific service. Second, management software component 703 provides a disconnect terminal function that forces specific applications to disconnect from all services of a specific terminal. Third, management software component 703 provides a disable service function that halts any usage of a specific terminal's service. Fourth, management software component 703 provides a disable terminal function that halts any usage of all services of a specific terminal. (11:53-65).
Claim 120. The first wireless handheld device of claim 112 further comprising a router software component including a domain naming service ("DNS") software component to enable a terminal on the PAN to query another terminal's address based on the other terminal's name.	DNS component 554 translates services between human readable names and IP addresses. DNS component 554 enables a terminal to query another terminal's address based on the other terminal's name and to query for the IP address of a named service on a WAN. (8:23-29).
Claim 121. The first wireless handheld device of claim 112 further comprising a virtual private network ("VPN") software component.	Security component 556 is a centralized managed way for controlling access to a secured private WAN. In order to avoid each one of the terminals from implementing its own security scheme and methods, a centralized security component 556 is used. In an embodiment of the present invention, security component 556 is a firewall 556a, VPN 556b or URL filter 556c, singly or in combination. (8:54-60).
Claim 122. The first wireless handheld device of claim 112 wherein the processor is further operative with at least one software component to translate between the first IP address and the cellular network via a tunnel between the first wireless handheld device and a landline operator's network.	FIG. 5b illustrates software components of PAN router 404c. In an embodiment of the present invention, routing component 550, Bluetooth™ LAN access Profile component 551, Dynamic Host Configuration Protocol/Point-to-Point Protocol ("DHCP/PPP") component 552 and Network Address Translator ("NAT") component 553 are used in PAN router 404c. In an alternate embodiment, Domain Naming Service ("DNS") component 554, Tunneling and Optimization component 555 and Security

Claim	Support from '033 Patent
	component 556, singly or in combination are used in PAN router 404c. (7:38-47).
Claim 123. An article of manufacture for a wireless device, including a computer readable medium, comprising: a short-range radio software component to communicate with a second wireless device in a short distance wireless network using a short-range radio signal, wherein the short-range radio software component includes an 802.11 baseband software component;	Original Claim 48 (18:61-65) According to an embodiment of the present invention, the wireless gateway device includes a Bluetooth™ processor having a 2.4 GHZ transmitter. (2:33-35). According to an embodiment of the present invention, a Bluetooth™ transmitter is coupled to the processor. (3:23-24). In alternate embodiments of the present invention, other local wireless technologies such as 802.11 or HomeRF signals are used to communicate between gateway device 106 and terminals 107. (4:33-36). GPRS baseband 503 and BluetoothTM baseband 502 are software components used to generate communication signals to a cellular network 105 and terminals 107 as illustrated in FIG. 1. In an alternate embodiment, other baseband software components 501 are used to generate communication signals. Media abstraction layer 504 allows operating system 403 to communicate with basebands 503, 502, and 501, respectively. (6:66-7:3). Original Claim 30 (17:28-30).
a cellular software component to communicate with a cellular network by using a cellular signal;	Original Claim 48 (18:66-67) Also, a short-range radio software component for providing a short-range radio signal and a cellular software component for providing a communications signal to a cellular network is included with the article of manufacture. (3:44-47).
a telephony application for providing call services, a personal information manager application, and a location application for providing a current location of the wireless device;	1st and 2nd software application components 406 communicate with management software 404 and provide additional services to a user. For example, application components 406 may include: 1) a stock quote application for providing stock quotes, 2) a personal information manager application including

Claim	Support from '033 Patent
	calendars, to do lists, emails, or contacts, 3) a synchronization software application for synchronizing databases, 4) a telephony application for providing telephone services, or 5) a location application for providing a current location of a gateway device. Furthermore, Graphics User Interface ("GUI") 407 is provided to allow a user-friendly interface. FIG. 5a illustrates detailed gateway software architecture 500. In an embodiment of the present invention, network management software 404 illustrated in FIG. 4 includes three software components as illustrated in FIG. 5a: 1) PAN router 404c; 2) PAN server 404b; and 3) Application server 404a. GPRS baseband 503 and BluetoothTM baseband 502 are software components used to generate communication signals to a cellular network 105 and terminals 107 as illustrated in FIG. 1. In an alternate embodiment, other baseband software components 501 are used to generate communication signals. Media abstraction layer 504 allows operating system 403 to communicate with basebands 503, 502, and 501, respectively. Media abstraction layer 504 and other abstraction layers, described herein, translate a particular communication protocol, such as GPRS, into a standard command set used by a gateway device and/or terminal. The purpose of an abstraction layer is to isolate the physical stacks from the rest of the gateway device software components. This enables future usage of different physical stacks without changing any of the upper layer software and allows the gateway device software to work with any communication protocol. PAN router 404c establishes a PAN network, implementing communication primitives, IP networking, IP services and similar tasks. PAN server 404b is responsible for implementing PAN oriented services such as plug and play, terminal enumeration, application loading, storage space and other services.

Claim	Support from '033 Patent
	In an embodiment, PAN server 404b communicates directly with applications 406 using application drivers. PAN application server 404a is responsible for implementing user and terminal oriented services and enables thin terminals. In an embodiment of the present invention, PAN application server 404a implements such applications as a GUI 407, a remote terminal &fiver application, a location application, a telephony application or an equivalent thereof. (6:46-7:26).
a network software component to selectively transfer an Internet Protocol ("IP") data packet between the wireless device and the cellular network;	FIG. 5b illustrates software components of PAN router 404c. In an embodiment of the present invention, routing component 550, Bluetooth™ LAN access Profile component 551, Dynamic Host Configuration Protocol/Point-to-Point Protocol ("DHCP/PPP") component 552 and Network Address Translator ("NAT") component 553 are used in PAN router 404c. In an alternate embodiment, Domain Naming Service ("DNS") component 554, Tunneling and Optimization component 555 and Security component 556, singly or in combination are used in PAN router 404c. (7:38-47). 7. Security Component Accessing a WAN can typically be done in two ways: unsecured when accessing a public network, such as the Internet, or secured when accessing a private network, such as an Enterprise network, file system or Exchange server. Security component 556 is a centralized managed way for controlling access to a secured private WAN. In order to avoid each one of the terminals from implementing its own security scheme and methods, a centralized security component 556 is used. In an embodiment of the present invention, security component 556 is a firewall 556a, VPN 556b or URL filter 556c, singly or in combination. (8:48-60).
a router software component to establish the short distance wireless network with at least the second wireless device, wherein the router software component comprises	PAN router 404c establishes a PAN network, implementing communication primitives, IP networking, IP services and similar tasks. (7:13-15).

Claim	Support from '033 Patent
a routing component for exchange of IP packets;	FIG. 5a illustrates detailed gateway software architecture 500. In an embodiment of the present invention, network management software 404 illustrated in FIG. 4 includes three software components as illustrated in FIG. 5a: 1) PAN router 404c; 2) PAN server 404b; and 3) Application server 404a. (6:58-63). Routing component 550 is implemented in Router 404c in order to realize a fully meshed IP network with access to a WAN. A routing component is responsible for imitating a fully meshed network based on a Master/Slave network. Routing component 550 enables exchange of IP packets between two terminals, broadcasting of IP packets between all terminals on a PAN and routing of IP packets to and from a WAN. (7:49-58).
a service repository software component to identify a plurality of available services from a plurality of devices including at least the second wireless device in the short distance wireless network, the service repository software component having a uniform interface so that both a local application software component and a remote application software component identifies the plurality of available services; and	Original Claim 48 (19:4-11) Since service repository software component 704 operates with local and remote applications, a uniform interface is used. In an embodiment of the present invention, remote applications use a Bluetooth.TM. Service Discovery Protocol ("SDP") to discover what services gateway device 106 offers. Similarly, local applications use SDP in an embodiment of the present invention. (13:12-18) FIG. 6 illustrates software interfaces for PAN server 404b shown in FIG. 5a. PAN server 404b provides application program interfaces ("API") to applications 406. Applications 406 also queries PAN server 404b for specific services and/or terminal attributes in a PAN. Applications 406 provide at least three types of information to PAN server 404b. Applications 406 provide a Personal Identification Number ("PIN") number, network configuration information, service registration and unregistration information. PAN server 404a provides services and devices enumeration information to applications 406. In an embodiment of the present invention, a PIN

Claim	Support from '033 Patent
	number is an authorization code to enable a terminal to connect to a PAN. (9:34-47)
a plurality of service logical drivers corresponding to the plurality of available services that are used to obtain the plurality of available services, the plurality of service logical drivers are used in obtaining the plurality of available services.	Original Claim 48 (19:11-14) For example, gateway device 801 is a cellular telephone having a telephony service provided by a cellular telephone application. Remote services are offered with the assistance of service logical drivers (SLDs) that are stored on gateway device 106. Whenever an application is interested in using a terminal service, the terminal interoperates with the corresponding gateway device SLD. (12:20-27).
Claim 124. The article of manufacture of claim 123 wherein the network software component is configured to selectively transfer an IP data packet between the wireless device and the cellular network via a tunnel between the wireless device and a landline operator's network.	Tunneling and Optimization component 555 is used to enable practical usage of IP in such networks. When using cellular, the tunnel will be between a mobile device having a PAN router and a landline operator's network. The tunneling and optimization network translates IP packets to more efficient transport methods for the specific access technology, and vice versa in a fully transparent fashion. (8:40-46). 7. Security Component Accessing a WAN can typically be done in two ways: unsecured when accessing a public network, such as the Internet, or secured when accessing a private network, such as an Enterprise network, file system or Exchange server. Security component 556 is a centralized managed way for controlling access to a secured private WAN. In order to avoid each one of the terminals from implementing its own security scheme and methods, a centralized security component 556 is used. In an embodiment of the present invention, security component 556 is a firewall 556a, VPN 556b or URL filter 556c, singly or in combination. (8:48-60).

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Amit HALLER

Serial No.:	90/013,925	Group Art Unit:	3992
Filed:	March 24, 2017	Examiner:	Charles R Craver

For: SYSTEM, DEVICE AND COMPUTER READABLE MEDIUM FOR PROVIDING A MANAGED WIRELESS NETWORK USING SHORT-RANGE RADIO SIGNALS

Attorney Docket No.: IXI0101RX

SUBSTANCE OF INTERVIEW

Mail Stop *Ex Parte* Reexam
Commissioner for Patents
U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Commissioner:

Patent Owner thanks Examiners Craver and Pokrzywa and Supervisor Fuelling for extending the courtesy of a video conference Interview on October 3, 2017 to discuss aspects of the Non-Final Office Action dated September 7, 2017. The Participants of the interview were David Bir, Sangeeta Shah and Lissi Mojica on behalf of the Patent Owner, Examiners Charles Craver and Joseph Pokrzywa and Supervisor Michael Fuelling.

During the Interview, Patent Owner discussed the Proposed Amendments to claims 48-87, 90, 92-94, 97, 105, 107-109 and 115-129 to address the 112(a) and 112(b) rejections, specifically the rejection of claims 48-87, 90, 92-94, 97, 105, 107-109, and 115-129 under 35 U.S.C. § 112(a) on pages 15-23 of the Non-Final Office Action and the rejection of claims 48-55 under 35 U.S.C. § 112(b) on page 24 of the Non-Final Office Action dated September 7, 2017.

The Examiners agreed to the proposed changes to the claims and indicated that the amended claims would receive a favorable outcome if all the claims were consistent with the

proposed claims and that all the dependent claims contained sufficient support under 35 U.S.C. § 112.

Patent Owner thanks Examiners Craver and Pokrzywa and Supervisor Fuelling for their time and appreciates the quality and efficiency of the proceedings.

Patent Owner is hereby filing its Response concurrent with the Interview Statement.

Respectfully submitted,

By: /Lissi Mojica/
Lissi Mojica
Reg. No 63,421
Attorney/Agent for Patent Owner

Date: October 10, 2017

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Electronic Acknowledgement Receipt	
EFS ID:	30609711
Application Number:	90013925
International Application Number:	
Confirmation Number:	1027
Title of Invention:	SYSTEM, DEVICE AND COMPUTER READABLE MEDIUM FOR PROVIDING A MANAGED WIRELESS NETWORK USING SHORT-RANGE RADIO SIGNALS
First Named Inventor/Applicant Name:	7039033
Customer Number:	22045
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment/Req. Reconsideration-After Non-Final Reject	IXI0101RX-Response-to-Office-Action.pdf	417059 787d6dbfafebcabec865dea4becbabd0e923a3ff	no	72
Warnings:					

Information:					
2	Applicant summary of interview with examiner	IXI0101RX-Interview-Statement.pdf	21623 d4180e9de1bf4a10178e4c6d37174219f90aaa18	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	438682	

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Doc Code: M865 or FAI.REQ.INTV

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Applicant Initiated Interview Request Form

Application No.: 90/013,925 First Named Applicant: Amit HALLER
Examiner: Charles R Craver Art Unit: 3992 Status of Application: Pending Reexam

Tentative Participants:
(1) David Bir (2) Lissi Mojica
(3) Sangeeta Shah (4) Examiner Craver

Proposed Date of Interview: Tuesday, October 3, 2017 **Proposed Time:** 01:00 (◎AM ◎PM)

Type of Interview Requested:
(1) ☐ Telephonic (2) ☐ Personal (3) ☑ Video Conference

Exhibit To Be Shown or Demonstrated: ☐ YES ☑ NO
If yes, provide brief description: _____

Issues To Be Discussed See Continuation Sheet attached

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1)			☐	☐	☐
(2)			☐	☐	☐
(3)			☐	☐	☐
(4)			☐	☐	☐

☑ Continuation Sheet Attached ☐ Proposed Amendment or Arguments Attached
Brief Description of Arguments to be Presented: _____

An interview was conducted on the above-identified application on _____

NOTE: This form should be completed and filed by applicant in advance of the interview (see MPEP § 713.01). If this form is signed by a registered practitioner not of record, the Office will accept this as an indication that he or she is authorized to conduct an interview on behalf of the principal (37 CFR 1.32(a)(3)) pursuant to 37 CFR 1.34. This is not a power of attorney to any above named practitioner. See the Instruction Sheet for this form, which is incorporated by reference. By signing this form, applicant or practitioner is certifying that he or she has read the Instruction Sheet. After the interview is conducted, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible. This application will not be delayed from issue because of applicant's failure to submit a written record of this interview.

/Sangeeta G. Shah/
Applicant/Applicant's Representative Signature

Examiner/SPE Signature

Sangeeta G. Shah
Typed/Printed Name of Applicant or Representative

(248) 358-4400
Applicant's/Applicant's Representative's Telephone Number

38,614
Registration Number, if applicable

(Continuation Sheet)

Issues to Be Discussed:

	Issues (Rej., Obj., etc)	Claims/Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
1	Rej.112(a)	48-87, 90, 92-94, 97, 105, 107-109 and 115-129/ Figure 5(a)	N/A			

Brief Description of Arguments to be Presented:

Thank you for the courtesy of an interview. Proposed amendments to claims 48-87, 90, 92-94, 97, 105, 107-109 and 115-129 (as attached) address the 112(a) and 112(b) rejections, specifically the rejection of claims 48-87, 90, 92-94, 97, 105, 107-109, and 115-129 under 35 U.S.C. § 112(a) on pages 15-23 of the Non-Final Office Action and the rejection of claims 48-55 under 35 U.S.C. § 112(b) on page 24 of the Non-Final Office Action dated September 7, 2017.

The proposed amendments are intended to more closely track the support provided in the specification at col. 6, lines 46-col. 7, line 3 and further as represented in Figure 5(a) and thereby obviate the above-identified 112 rejections.

48. - 55. (Canceled)

56. (Twice Amended) A handheld device for providing a short distance wireless network, comprising:

a storage device;

means for identifying an availability of a plurality of services to a plurality of application software components in the short distance wireless network;

means for selectively providing the plurality of services to the plurality of application software components in the short distance wireless network; and

means for selectively transferring an Internet Protocol ("IP") data packet between a cellular network and a selected application software component in the plurality of application software components in the short distance wireless network;

wherein the handheld device further comprises ~~Bluetooth and~~ 802.11 signal transmitter/receiver software and circuitry;

wherein the handheld device further comprises software configured to establish the short distance wireless network using the 802.11 signal transmitter/receiver software and circuitry to communicate with at least a second wireless device in the short distance wireless network~~, and using the Bluetooth signal transmitter/receiver software and circuitry to communicate with at least a third wireless device in the short distance wireless network~~;

wherein the handheld device includes a telephony application~~, an email application for providing email services, a calendar application for providing calendaring services,~~ and a personal information manager application~~contacts application for managing contacts~~; and

wherein the handheld device includes a location application for providing a current location of the handheld device.

61. (Currently Amended) The handheld device of claim 56 further comprising a gateway software stack, comprising:

an operating system component; and

telecommunication protocol stacks including cellular signal telecommunication software and a physical layer stack used to transmit and receive cellular signals, and short range radio communications software and physical layer stack used to transmit and receive short range radio signals, wherein the short range radio communications software includes software for ~~Bluetooth and~~ 802.11 communications.

65. (Currently Amended) A system for providing access to the Internet, comprising:

a first wireless device, in a short distance wireless network, having a software component to access information from the Internet by communicating with a cellular network in response to a first short-range radio signal wherein the first wireless device communicates with the cellular network and receives the first short-range radio signal,

wherein the first wireless device comprises router software to establish the short distance wireless network, wherein the router software comprises a routing component for exchange of IP packets;

wherein the first wireless device includes a speaker, a microphone, and a touchscreen,

wherein the first wireless device includes software applications including a telephony application, a personal information manager application including emails, and a location application for providing a current location of the first wireless device; and ~~, an email application for providing email services, a calendar application for providing calendaring services, and a contacts application for managing contacts,~~

~~wherein the first wireless device includes software applications including a location application for providing a current location of the first wireless device; and,~~

a second wireless device, in the short distance wireless network, to provide the first short-range radio signal,

wherein the software component includes a network address translator software component to translate between a first Internet Protocol ("IP") address provided to the first

wireless device from the cellular network and a second address for the second wireless device provided by the first wireless device,

wherein the software component includes a service repository software component to identify a service provided by the second wireless device.

67. (Currently Amended) The system of claim 65 wherein the first wireless device comprises a Bluetooth signal transmitter/receiver ~~and an 802.11 signal transmitter/receiver.~~

69. (Currently Amended) The system of claim ~~68~~ 65 wherein the software component of the first wireless device includes a Bluetooth baseband software component.

70. (Currently Amended) The system of claim 65 wherein the software component of the first wireless device comprises:

~~an 802.11 baseband software component;~~

a Bluetooth baseband software component; and

a GPRS baseband software component.

72. (Currently Amended) The system of claim ~~71~~ 65 wherein the first wireless device communicates with at least one device on the short distance wireless network using Bluetooth communications.

79. (Currently Amended) The system of claim ~~6578~~ further comprising a third wireless device;

wherein the first wireless device includes an 802.11 baseband signal transmitter/receiver ~~and a Bluetooth baseband signal transmitter/receiver;~~

wherein the second wireless device comprises a laptop computer communicating with the first wireless device via the 802.11 baseband signal transmitter/receiver; and

wherein the third wireless device comprises a watch communicating with the first wireless device ~~via the Bluetooth baseband signal transmitter/receiver~~.

83. (Currently Amended) The system of claim 65 wherein the first wireless device further comprises:

wireless gateway device software comprising:

an operating system component;

telecommunication protocol stacks including a cellular signal telecommunication software and physical layer stack used to transmit and receive cellular signals, and a short-range radio communications software and physical layer stack used to transmit and receive short-range radio signals, wherein the short-range radio communications software includes software for ~~both Bluetooth and~~ 802.11 communications;

network management software comprising:

the router software, wherein the router software comprises a routing component for the exchange of IP packets between two wireless devices on the short distance wireless network, broadcasting of IP packets among all wireless devices on the short distance wireless network and routing of IP packets to and from the Internet;

server software that implements short distance wireless network oriented services, comprising:

a plug and play component;

a management software component, wherein the management software component enables configuration of the short distance wireless network; and

wherein the service repository software component allows applications to discover available services offered by wireless devices on the short distance wireless network, and to determine characteristics of the available services.

84. (Currently Amended) The system of claim 83, wherein the telecommunications protocol stacks of the wireless gateway device software in the first wireless device includes a media abstraction layer that allows the operating system component to communicate with the cellular and the 802.11~~, and Bluetooth~~ physical layers.

90. (Canceled)

92.- 93. (Canceled)

94. (Currently Amended) The system of claim ~~8893~~ wherein the first wireless device comprises a laptop computer and the second wireless device comprises a phone~~watch~~.

97. (Currently Amended) The system of claim 88 wherein the second wireless device comprises:

a speaker, a microphone, and a touchscreen coupled to a processor; and

a telephony application, a personal information manager application~~an email application for providing email services, a calendar application for providing calendaring services, a contacts application for managing contacts~~, and a location application, the location application for providing a current location of the second wireless device.

105. (Currently Amended) The handheld device of claim 104 ~~further comprising a Bluetooth baseband software component,~~ wherein the short distance wireless network includes a terminal comprising a watch communicating with the handheld device ~~via Bluetooth signals.~~

107. (Currently Amended) The handheld device of claim 104 further comprising:

a speaker, a microphone, and a touchscreen coupled to the processor; and

a telephony application, a personal information manager application including calendars, to do lists, emails, or contacts, ~~an email application for providing email services, a calendar application for providing calendaring services, a contacts application for managing contacts,~~ and a location application for providing a current location of the handheld device.

109. (Currently Amended) The handheld device of claim 104 further comprising:

~~a Bluetooth signal transmitter/receiver; and~~

wireless gateway device software comprising:

an operating system component; and

telecommunication protocol stacks including a cellular signal telecommunication software and physical layer stack used to transmit and receive cellular signals, and a short-range radio communications software and physical layer stack used to transmit and receive short-range radio signals, wherein the short-range radio communications software includes software for ~~both Bluetooth and~~ 802.11 communications.

115. (Currently Amended) A first wireless handheld device, comprising:

a touchscreen;

an 802.11 signal transmitter/receiver;

a processor, coupled to the touchscreen and the 802.11 signal transmitter/receiver; and

a storage device coupled to the processor, the storage device to store at least one software component, the processor operative with the at least one software component to:

provide a graphics user interface,

transmit and receive 802.11 short-range radio signals;

~~transmit and receive Bluetooth short-range radio signals;~~

access the Internet through a cellular network,

provide a first short-range radio signal to a second wireless handheld device and a second short-range radio signal to a third wireless device, wherein at least the first short-range radio signal is an 802.11 signal,

control access between the Internet and the first, second and third wireless devices,

establish a personal area network ("PAN") with the second and third wireless devices,

translate between a first Internet Protocol ("IP") address provided to the first wireless handheld device from the cellular network and a second address for the second wireless handheld device provided by the first wireless handheld device, and a third address for the third wireless device provided by the first wireless handheld device,

enumerate a list of services available from the first, second and third wireless devices, wherein the first, second and third wireless devices register services available on the list of services available, and

search the list of services available for a class of service to be used by an application software component at a particular time, the application software component stored on the second wireless handheld device.

116. (Canceled)

117. (Canceled)

119. (Currently Amended) The first wireless handheld device of claim 115 wherein the at least one software component comprises a location application for providing a current location of the first wireless handheld device, a personal information management application, ~~calendar application for providing calendaring services, an email application for providing email services, a contacts application for managing contacts~~, and a telephony application for providing telephone services.

128. (Currently Amended) An article of manufacture for a wireless device, including a computer readable medium, comprising:

a short-range radio software component to communicate with a second wireless device in a short distance wireless network using a short-range radio signal, wherein the short-range radio software component includes an 802.11 baseband software component;

a cellular software component to communicate with a cellular network by using a cellular signal;

a telephony application for providing call services, a personal information manager application~~an email application for providing email services, a calendar application for providing calendaring services, a contacts application for managing contacts~~, and a location application for providing a current location of the wireless device;

a network software component to selectively transfer an Internet Protocol ("IP") data packet between the wireless device and the cellular network;

a router software component to establish the short distance wireless network with at least the second wireless device, wherein the router software component comprises a routing component for exchange of IP packets;

a service repository software component to identify a plurality of available services from a plurality of devices including at least the second wireless device in the short distance wireless network, the service repository software component having a uniform interface so that both a

local application software component and a remote application software component identifies the plurality of available services; and

a plurality of service logical drivers corresponding to the plurality of available services that are used to obtain the plurality of available services, the plurality of service logical drivers are used in obtaining the plurality of available services.

Electronic Acknowledgement Receipt	
EFS ID:	30523713
Application Number:	90013925
International Application Number:	
Confirmation Number:	1027
Title of Invention:	SYSTEM, DEVICE AND COMPUTER READABLE MEDIUM FOR PROVIDING A MANAGED WIRELESS NETWORK USING SHORT-RANGE RADIO SIGNALS
First Named Inventor/Applicant Name:	7039033
Customer Number:	22045
Filer:	Sangeeta G. Shah/Nona Durham
Filer Authorized By:	Sangeeta G. Shah
Attorney Docket Number:	0909-010
Receipt Date:	29-SEP-2017
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Application Type:	Reexam (Patent Owner)

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Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Letter Requesting Interview with Examiner	IXI0101RX-Interview-Request-Final.pdf	291796 0731b1840c82d0a86942b2e81ed68eade228780e	no	11

Warnings:

Information:	
Total Files Size (in bytes):	291796

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER
CRAVER, CHARLES R

ART UNIT	PAPER NUMBER
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MAIL DATE	DELIVERY MODE
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action in Ex Parte Reexamination	Control No. 90/013,925	Patent Under Reexamination 7039033	
	Examiner CHARLES CRAVER	Art Unit 3992	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

a. ☒ Responsive to the communication(s) filed on *3/24/2017* .
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

b. ☐ This action is made FINAL.

c. ☒ A statement under 37 CFR 1.530 has not been received from the patent owner.

A shortened statutory period for response to this action is set to expire *2* month(s) from the mailing date of this letter. Failure to respond within the period for response will result in termination of the proceeding and issuance of an *ex parte* reexamination certificate in accordance with this action. 37 CFR 1.550(d). **EXTENSIONS OF TIME ARE GOVERNED BY 37 CFR 1.550(c).** If the period for response specified above is less than thirty (30) days, a response within the statutory minimum of thirty (30) days will be considered timely.

Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

1. ☐ Notice of References Cited by Examiner, PTO-892.
2. ☒ Information Disclosure Statement, PTO/SB/08.
3. ☐ Interview Summary, PTO-474.
4. ☒ *DETAILED ACTION*.

Part II SUMMARY OF ACTION

1a. ☒ Claims *48-129* are subject to reexamination.
1b. ☒ Claims *1-47* are not subject to reexamination.
2. ☐ Claims _____ have been canceled in the present reexamination proceeding.
3. ☒ Claims *88,89,91,95,96,98-104,106 and 110-114* are patentable and/or confirmed.
4. ☒ Claims *48-87,90,92-94,97,105,107-109 and 115-129* are rejected.
5. ☐ Claims _____ are objected to.
6. ☐ The drawings, filed on _____ are acceptable.
7. ☐ The proposed drawing correction, filed on _____ has been (7a) ☐ approved (7b) ☐ disapproved.
8. ☐ Acknowledgment is made of the priority claim under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the certified copies have
   1 ☐ been received.
   2 ☐ not been received.
   3 ☐ been filed in Application No. _____ .
   4 ☐ been filed in reexamination Control No. _____.
   5 ☐ been received by the International Bureau in PCT application No. _____.
   * See the attached detailed Office action for a list of the certified copies not received.
9. ☐ Since the proceeding appears to be in condition for issuance of an *ex parte* reexamination certificate except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte* Quayle, 1935 C.D. 11, 453 O.G. 213.
10. ☐ Other: _____

cc: Requester (if third party requester)

NON-FINAL ACTION

I. Summary

In the instant 90/013,925 *ex parte* reexamination of US Patent 7,039,033 (hereinafter "the '033 Patent"), claims 48-129 are under reexamination in light of the Order Granting Reexamination mailed 5/17/2017 responding to the request for reexamination filed 3/24/2017 by the Patent Owner.

Extensions of Time

Extensions of time under 37 CFR 1.136(a) will not be permitted in this reexamination proceedings because the provisions of 37 CFR 1.136 apply only to "an applicant" and not to the patent owner in a reexamination proceeding. Additionally, 35 U.S.C. 305 requires that ex parte reexamination proceedings "will be conducted with special dispatch" (37 CFR 1.550(a)). Extensions of time in ex parte reexamination proceedings are provided for in 37 CFR 1.550(c).

Notification of Concurrent Proceedings

The Patent Owner is reminded of the continuing responsibility under 37 CFR 1.985 to apprise the Office of any litigation activity, or other prior or concurrent proceeding, involving Patent No. 7,039,033 throughout the course of this reexamination proceeding. The third party requester is also reminded of the ability to similarly apprise the Office of any such activity or proceeding throughout the course of this reexamination proceeding. See MPEP § 2686 and 2686.04.

Service of Papers

Any paper filed by either the patent owner or the third party requester ***must be served*** on the other party in the reexamination proceeding in the manner provided by 37 CFR 1.248. See 37 CFR 1.903 and MPEP 2666.06.

II. Background and Request

Independent claims 48 and 56 as amended, and new independent claims 65, 88, 104, 115, and 128 are as follows:

> 48. (Currently Amended) An article of manufacture, including a computer readable medium, comprising:
>
> a short-range radio software component to communicate with a device in a short distance wireless network using [[a]] an 802.11 short-range radio signal, wherein the short-range radio software component includes an 802.11 baseband software component:
>
> a Bluetooth short-range radio software component to communicate with wireless devices in the short distance wireless network using a Bluetooth short-range radio signal:
>
> a cellular software component to communicate with a cellular network by using a cellular signal;
>
> a telephony application for providing call services, an email application for providing email services, a calendar application for providing calendaring services, a contacts application for managing contacts, and a location application for providing a current location of the device;
>
> a network software component to selectively transfer an Internet Protocol ("IP") data packet between the device and the cellular network;
>
> a router software component to establish the short distance wireless network with at least a second wireless device, wherein the router software component comprises a routing component for exchange of IP packets;
>
> a service repository software component to identify a plurality of available services from a plurality of devices in the short distance wireless network, the service repository software component having a uniform interface so that both a local application software component and a remote application software component identifies the plurality of available services, wherein the service repository software component provides service unregistration that cancels a registered service and a disabling function that ceases offering a service;
>
> a network management software component that provides a disconnect terminal function that forces specific applications to disconnect from all services of a specific terminal of the short distance wireless network; and

a plurality of service logical drivers corresponding to the plurality of available services that are used to obtain the plurality of available services, the plurality of service logical drivers are used in obtaining the plurality of available services.

56. (Currently Amended) A handheld device for providing a short distance wireless network, comprising:

a storage device;

means for identifying an availability of a plurality of services to a plurality of application software components in the short distance wireless network;

means for selectively providing the plurality of services to the plurality of application software components in the short distance wireless network; and

means for selectively transferring an Internet Protocol ("IP") data packet between a cellular network and a selected application software component in the plurality of application software components in the short distance wireless network;

wherein the handheld device further comprises Bluetooth and 802.11 signal transmitter/receiver software and circuitry;

wherein the handheld device further comprises software configured to establish the short distance wireless network using the 802.11 signal transmitter/receiver software and circuitry to communicate with at least a second wireless device in the short distance wireless network, and using the Bluetooth signal transmitter/receiver software and circuitry to communicate with at least a third wireless device in the short distance wireless network;

wherein the handheld device includes a telephony application, an email application for providing email services, a calendar application for providing calendaring services, and a contacts application for managing contacts; and

wherein the handheld device includes a location application for providing a current location of the handheld device.

65. (New) A system for providing access to the Internet, comprising:

a first wireless device, in a short distance wireless network, having a software component to access information from the Internet by communicating with a cellular network in response to a first short-range radio signal wherein the first wireless device communicates with the cellular network and receives the first short-range radio signal,

wherein the first wireless device comprises router software to establish the short distance wireless network, wherein the router software comprises a routing component for exchange of IP packets;

wherein the first wireless device includes a speaker, a microphone, and a touchscreen,

wherein the first wireless device includes software applications including a telephony application, an email application for providing email services, a calendar application for providing calendaring services, and a contacts application for managing contacts,

wherein the first wireless device includes software applications including a location application for providing a current location of the first wireless device; and,

a second wireless device, in the short distance wireless network, to provide the first short-range radio signal,

wherein the software component includes a network address translator software component to translate between a first Internet Protocol ("IP") address provided to the first wireless device from the cellular network and a second address for the second wireless device provided by the first wireless device.

wherein the software component includes a service repository software component to identify a service provided by the second wireless device.

88. (New) A system for providing access to information on a cellular network, comprising:

a first wireless device, in a short distance wireless network, to provide a first short-range radio signal; and,

a second wireless device, in the short distance wireless network and the cellular network, to selectively transfer information, including Internet Protocol ("IP") data packets, between the first wireless device and the cellular network in response to a security software component,

wherein the second wireless device and the first wireless device communicate using 802.11 communications for the first short-range radio signal,

wherein the second wireless device establishes the short distance wireless network using personal area network ("PAN") router software having a routing component enabling exchange of the IP packets between the first wireless device and the second wireless device, broadcasting of IP packets between all devices on the short distance wireless network, and routing of the IP packets to and from the cellular network, and

wherein the second wireless device includes a service repository software component that identifies a plurality of services, in the short distance wireless network, associated with a plurality of wireless devices, and wherein the service repository software component searches for a service, in the plurality of services, to be used by an application software component stored in the first wireless device.

104. (New) A handheld device, comprising:

an 802.11 signal transmitter/receiver;

a storage device; and

a processor, coupled to the storage device and the 802.11 transmitter/receiver;

the storage device to store a software component, and the processor operative with the software component to:

provide a short distance wireless network established by the handheld device communicating via the 802.11 signal transmitter/receiver with a terminal,

provide a network management component including a disconnect terminal function that forces disconnection from a specific terminal;

provide an Internet Protocol ("IP") data packet from the handheld device to the terminal using short-range radio signals of the 802.11 signal transmitter/receiver,

control access between the short distance wireless network and a cellular network,

translate between a first IP address provided to the handheld device and a second IP address for the terminal provided by the handheld device in the short distance wireless network,

enumerate a list of services available from the handheld device and the terminal, wherein the handheld device and the terminal register services available on the list, and

search the list of services for a service to be used by an application software component stored on the terminal.

115. (New) A first wireless handheld device, comprising:

a touchscreen;

an 802.11 signal transmitter/receiver;

a processor, coupled to the touchscreen and the 802.11 signal transmitter/receivers; and

a storage device coupled to the processor, the storage device to store at least one software component, the processor operative with the at least one software component to:

provide a graphics user interface,

transmit and receive 802.11 short-range radio signals;

transmit and receive Bluetooth short-range radio signals;

access the Internet through a cellular network,

provide a first short-range radio signal to a second wireless handheld device and a second short-range radio signal to a third wireless device, wherein at least the first short-range radio signal is an 802.11 signal,

control access between the Internet and the first, second and third wireless devices,

establish a personal area network ("PAN") with the second and third wireless devices,

translate between a first Internet Protocol ("IP") address provided to the first wireless handheld device from the cellular network and a second address for the second wireless handheld device provided by the first wireless handheld device, and a third address for the third wireless device provided by the first wireless handheld device,

enumerate a list of services available from the first, second and third wireless devices, wherein the first, second and third wireless devices register services available on the list of services available, and

search the list of services available for a class of service to be used by an application software component at a particular time, the application software component stored on the second wireless handheld device.

128. (New) An article of manufacture for a wireless device, including a computer readable medium, comprising:

a short-range radio software component to communicate with a second wireless device in a short distance wireless network using a short-range radio signal, wherein the short-range radio software component includes an 802.11 baseband software component;

a cellular software component to communicate with a cellular network by using a cellular signal;

a telephony application for providing call services, an email application for providing email services, a calendar application for providing calendaring services, a contacts application for managing contacts, and a location application for providing a current location of the wireless device;

a network software component to selectively transfer an Internet Protocol ("IP") data packet between the wireless device and the cellular network;

a router software component to establish the short distance wireless network with at least the second wireless device, wherein the router software component comprises a routing component for exchange of IP packets;

a service repository software component to identify a plurality of available services from a plurality of devices including at least the second wireless device in the short distance wireless network, the service repository software component having a uniform interface so that both a local application software component and a remote application software component identifies the plurality of available services; and

a plurality of service logical drivers corresponding to the plurality of available services that are used to obtain the plurality of available services, the plurality of service logical drivers are used in obtaining the plurality of available services.

The '033 Patent teaches towards a system and method for transmitting data to and from a network and end devices via an intermediary gateway device. FIG 1 is representative:

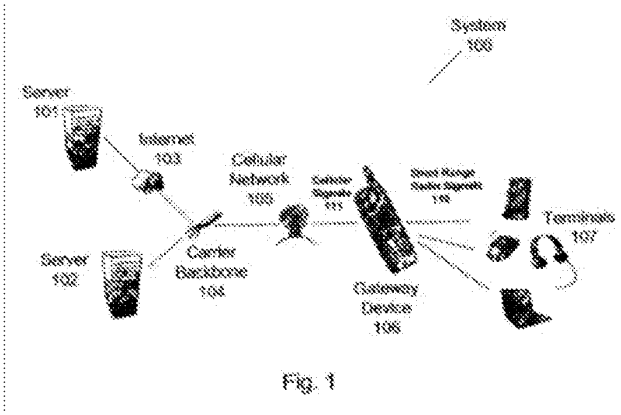

Fig. 1

First wireless devices (terminals 107) are provided means for accessing a data network such as Internet 103 over a cellular network 105 using gateway device 106. Gateway device 106 provides data communication over cellular network 105 and further short-range communication such as Bluetooth to the first wireless device(s) in order to form a personal area network (PAN). See, inter alia, col. 4 ll. 7-60 of the '033 Patent.

In the prosecution history of the '033 Patent, claims 48 and 56 were allowed after an amendment by Patent Owner in response to a Non-Final Rejection mailed 7/7/2004 and a Final Rejection mailed 5/25/2005, rejecting claims over the Karagiannis reference and US Pat 6,763,012 to Lord et al. In his amendment, the limitations "a service repository software component to identify a plurality of available services from a plurality of devices in the short distance wireless network, the service repository software component having a uniform interface so that both a local application software component and a remote application software component identifies the plurality of available services: and a plurality of service logical drivers corresponding to the plurality of available services that are used to obtain the plurality of services, the plurality of

service logical drivers are used in obtaining the plurality of services." was added to issued claim 48, and the limitation "means for identifying an availability of a plurality of services to a plurality of application software components in the short distance wireless network" was added to issued claim 56.

The '033 Patent under reexamination is currently under open litigation. Please see *IXI Mobile (R&D) Ltd., et al v. Samsung Electronics Co., Ltd. et al*, US Dist Ct California Northern District case no 3-15-cv-03752[1]; *IXI Mobile (R&D) Ltd., et al v. Blackberry Limited et al*, US Dist Ct California Northern District case no 3-15-cv-03754[2]; and *IXI Mobile (R&D) Ltd., et al v. Apple Inc.*, US Dist Ct California Northern District, case no 3-15-cv-03755[3].

The '033 Patent is currently subject to Inter Partes Review before the Patent Trial and Appeal Board ("the Board"). See IPR2015-01444. In this Inter Partes Review, the Board provided a Final Written Decision 12/21/2016 as to the unpatentability of claims 1, 4-7, 12, 14, 15, 22, 23, 25, 28, 34, 39, 40, 42 and 46 of the '033 Patent. This Decision is currently on Appeal to the Court of Appeals for the Federal Circuit. The instant Reexamination is for claims similar to those addressed by the Inter Partes Review.

[1] Originally filed in the US Dist Court Southern District of New York as case no. 1-14-cv-04355-RJS
[2] Originally filed in the US Dist Court Southern District of New York as case no. 1-14-cv-04428-RJS
[3] Originally filed in the US Dist Court Southern District of New York as case no. 1-14-cv-07954-RJS

III. References

Marchand

Marchand discloses a system for providing an ad-hoc network using a portable device 33 acting as a gateway between a cellular 3G network and wireless devices over a short-range ad-hoc network. FIG 3 is representative:

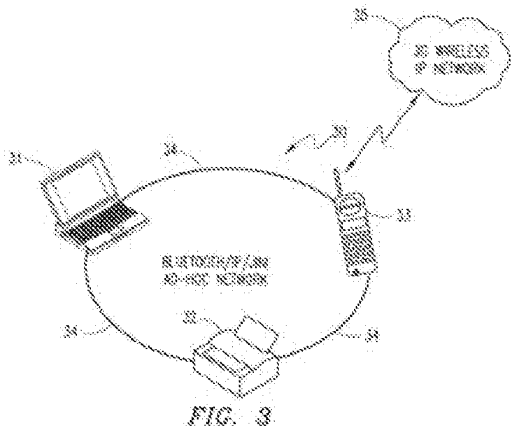

FIG. 3

Marchand discloses that the ad-hoc network can comprise a number of devices outside of the gateway, as shown above and further disclosed in p. 4 ll. 15-19 and p. 6 l. 23-p. 7 l. 25, and may utilize Bluetooth for the short-range wireless communication protocol between the ad-hoc devices and the gateway device. *Id.* The wireless ad-hoc devices may be a laptop computer or printer as shown above, or further other devices such as a personal digital assistant (PDA). *Id.* at p. 6 ll. 23-27 and p. 10 ll. 18-21. The gateway device routes packets to and from the 3G cellular network and the wireless piconet devices 31 and 32. *Id.* at p. 10 l. 31-p. 11 l. 16.

Marchand further discloses that the piconet devices are JINI/Java capable, which allows them to publish and share services between the devices on the piconet via a JINI look-up service (LUS). This provides a list of available services that may be provided. *Id.* at p. 4 l. 21-col. 5 l. 6, p. 9 ll. 15-19, p. 10 ll. 12-18, p. 12 ll. 4-16 and p. 13 ll. 5-31. The gateway cellular device may provide cellular call services to piconet devices using Java/JINI via a call control API. *Id.* at p. 9 ll. 20-26, p. 11 l. 17-p. 12 l. 21. This is read as a service repository software which may identify an availability of a plurality of services to a components in the short distance wireless network

Nurmann

Nurmann teaches towards an IP gateway and a method of establishing a local IP network with several devices, managing routing of packets to and from said local network via the gateway. Nurmann at col. 1 ll. 9-12, col. 2 ll. 54-60, col. 3 ll. 26-46 and FIG 4:

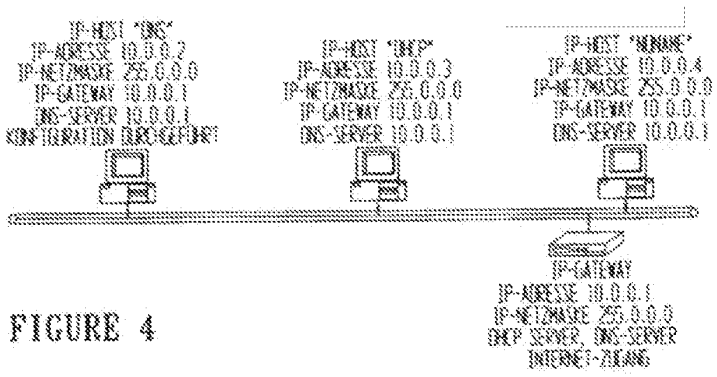

FIGURE 4

The gateway device operates as a DHCP server if it determines such is necessary in order to allocate IP addresses in the local network. *Id.* at col. 4 ll. 34-56.

Vilander

Vilander discloses methods for allocating IP addresses to mobile terminals in a cellular data network such as a 3G or UMTS network utilizing GPRS. Vilander at col. 1 ll. 33-59. Vilander further discloses a GPRS Switching Node acting as an Internet Access Server for a mobile device to access the Internet over the cellular data network, where the server allocates an IP address to the mobile device. *Id.*

Larsson

Larsson discloses a gateway device that can connect a public network to a private network. FIG 1 is representative:

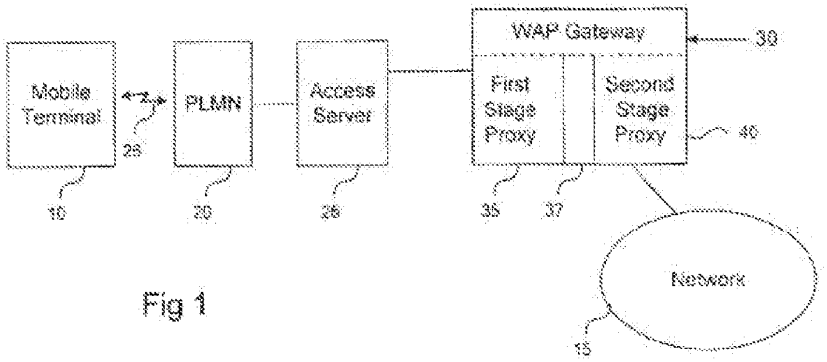

Fig 1

The private network may be a corporate or VPN, and the PLMN would necessarily include a mobile or cellular network. Larsson at col. 1 l. 67-col. 2 l. 1 and ll. 30-54. The gateway includes two proxies noted in FIG 1 above which provide public and private network-end access and authentication for the mobile terminal 10. *Id.* at col. 2 ll. 8-15.

RFC 2543

RFC 2543 is a Request for Comments document. RFC 2543 discloses Internet standards regarding Session Initiation Protocol (SIP). SIP is an application-layer control (signaling) protocol for creating, modifying and terminating sessions including multimedia conferences and phone calls with one or more participants.

JINI

JINI discloses the JINI specification, regarding the operation of devices using JINI. In a JINI system, devices which wish to make various services available register the service with a LUS and provide a proxy object thereto for storing the object. The LUS may be queried by a client accessing a given service whereby the system provides the proxy object from the LUS so the client can then access the service. JINI at pp. 5-12. The LUS stores various attribute information about services that may be used to search for services by the client. *Id.* at pp. 9-11, 16-20, 73, 77-79 and 217-230.

IV. Rejections

> No amendment may enlarge the scope of the claims of the patent or introduce new matter.

37 C.F.R. 1.530(j), Statement by patent owner in ex parte reexamination; amendment by patent owner in ex parte or inter partes reexamination; inventorship change in ex parte or inter partes reexamination.

> 35 U.S.C. 305 provides for examination under 35 U.S.C. 132, which prohibits the introduction of new matter into the disclosure. Thus, the question of new matter should be considered in a reexamination proceeding. See MPEP § 2163.06 as to the relationship of the written description requirement of the first paragraph of 35 U.S.C. 112 and the new matter prohibition under 35 U.S.C. 132. Where the new matter is added to the claims or affects claim limitations, the claims should be rejected under 35 U.S.C. 112, first paragraph, for failing to meet the written description requirement.

MPEP 2258(2)(B), Scope of Reexamination

The following is a quotation of the first paragraph of 35 U.S.C. 112(a):

> (a) IN GENERAL.—The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same, and shall set forth the best mode contemplated by the inventor or joint inventor of carrying out the invention.

The following is a quotation of the first paragraph of pre-AIA 35 U.S.C. 112:

> The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same, and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims **48-87, 90, 92-94, 97, 105, 107-109, and 115-129** are rejected under 35 U.S.C. 112(a) or 35 U.S.C. 112 (pre-AIA), first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor or a joint inventor, or for pre-AIA the inventor(s), at the time the application was filed, had possession of the claimed invention.

As to **claim 48**, claim 48 recites in part:

> a short-range radio software component to communicate with a device in a short distance wireless network using [[a]] an 802.11 short-range radio signal, wherein the short-range radio software component includes an 802.11 baseband software component:
>
> a Bluetooth short-range radio software component to communicate with wireless devices in the short distance wireless network using a Bluetooth short-range radio signal:

The claim thus encompasses an article of manufacture which may communicate with devices in a short distance wireless network using both 802.11 and Bluetooth standards, including communicating using both standards with the same device in the network.

Looking to the patent specification, there is no critical teaching anywhere in the patent disclosure as to using both components in a single unit as the claim discloses, much less using both concurrently as the claim now encompasses. The instant patent teaches primarily towards a Bluetooth-based short distance network (see the instant patent throughout), and only mentions 802.11 as an alternate standard for the network along with HomeRF. See the disclosure at col. 4 ll. 32-35. Note also issued claim 30, which recites Bluetooth, 802.11 and HomeRF as standards in alternate form.

This is not a positive recitation of both standards in one device being used to communicate within a single short-distance wireless network, and thus the claim adds new matter to the patent.

Claims 49-55 are rejected as being dependent on claim 48 above.

Further as to **claim 50**, claim 50 recites, in part:

> wherein the short-range radio software component is a Bluetooth component.

Thus claim 50 recites an article of manufacture comprising two separate Bluetooth software components for separately communicating with devices in the same short-distance network. This is not disclosed in the patent disclosure, which only recites a single Bluetooth component, and thus the claim adds new matter to the patent.

As to **claim 56**, claim 56 recites, in part:

> wherein the handheld device further comprises Bluetooth and 802.11 signal transmitter/receiver software and circuitry;
>
> wherein the handheld device further comprises software configured to establish the short distance wireless network using the 802.11 signal transmitter/receiver software and circuitry to communicate with at least a second wireless device in the short distance wireless network, and using the Bluetooth signal transmitter/receiver software and circuitry to communicate with at least a third wireless device in the short distance wireless network;

The claim thus encompasses an article of manufacture which may communicate with devices in a single short distance wireless network using both 802.11 and Bluetooth standards, including communicating using both standards with the same device in the network.

As noted above as to claim 48, this feature is not recited in the patent disclosure, and thus there is not a positive recitation of both standards in one device being used to communicate within a single short-distance wireless network, and thus the claim adds new matter to the patent.

Further as to **claim 56**, claim 56 further recites, in part:

> wherein the handheld device includes a telephony application, an email application for providing email services, a calendar application for providing calendaring services, and a contacts application for managing contacts; and

Turning to the patent specification, it is noted that the instant patent discloses the features in the limitation in alternate form:

> For example, application components 406 may include …2) *a personal information manager application including calendars, to do lists, emails,* ***or*** *contacts*,

'303 Patent at col. 6 ll. 46-55 (emphasis added).

Thus there is not a positive recitation of all of the claimed personal information manager applications in one device being used to communicate within a single short-distance wireless network, and thus the claim adds new matter to the patent.

Claims 57-64 are rejected as being dependent on claim 56 above. Note that claim 61 also recites both Bluetooth and 802.11 software in a single device as claim 56 above.

As to **claim 65**, claim 65 recites, in part:

> wherein the first wireless device includes software applications including a telephony application, an email application for providing email services, a calendar application for providing calendaring services, and a contacts application for managing contacts

As noted above as to claim 56, the instant patent discloses the features in the limitation in alternate form.

Thus there is not a positive recitation of all of the claimed personal information manager applications in one device being used to communicate within a single short-distance wireless network, and thus the claim adds new matter to the patent.

Claims 66-87 are rejected as being dependent on claim 65 above.

Further as to **claims 67, 69, 70, 72, 79, and 83:**

Claim 67 recites, in part:

> The system of claim 65 wherein the first wireless device comprises a Bluetooth signal transmitter/receiver and an 802.11 signal transmitter/receiver

Claim 69 recites, in part:

> The system of claim 68 wherein the software component of the first wireless device includes a Bluetooth baseband software component

Claim 70 recites, in part:

> wherein the software component of the first wireless device comprises: an 802.11 baseband software component; a Bluetooth baseband software component; and a GPRS baseband software component

Claim 72 recites, in part:

> wherein the first wireless device communicates with at least one device on the short distance wireless network using 802.11 communications
>
> …

> wherein the first wireless device communicates with at least one device on the short distance wireless network using Bluetooth communications

Claim 79 recites, in part:

> wherein the first wireless device includes an 802.11 baseband signal transmitter/receiver and a Bluetooth baseband signal transmitter/receiver;
>
> wherein the second wireless device comprises a laptop computer communicating with the first wireless device via the 802.11 baseband signal transmitter/receiver; and
>
> wherein the third wireless device comprises a watch communicating with the first wireless device via the Bluetooth baseband signal transmitter/receiver.

Claim 83 recites, in part:

> wherein the short-range radio communications software includes software for both Bluetooth and 802.11 communications

As noted above as to claim 48, this feature is not recited in the patent disclosure, and thus there is not a positive recitation of both standards in one device being used to communicate within a single short-distance wireless network, and thus the claims add new matter to the patent. **Claim 84** is rejected as dependent on claim 83 above.

As to **claims 90 and 92**, dependent on independent claim 88**:**

Claim 90 recites, in part:

> wherein the second wireless device comprises an 802.11 transmitter/receiver.
>
> …
>
> wherein the second wireless device comprises a Bluetooth transmitter/receiver.

Claim 92 recites, in part:

> wherein the second wireless device comprises a Bluetooth baseband software component.

As noted above as to claim 48, this feature is not recited in the patent disclosure, and thus there is not a positive recitation of both standards in one device being used to communicate within a single short-distance wireless network, and thus the claims add new matter to the patent. **Claim 93** is rejected as dependent on claim 92 above.

Further as to **claim 94**, dependent on independent claim 88, claim 94 recites, in part:

> wherein the first wireless device comprises a laptop computer and the second wireless device comprises a watch

The second device claimed is the wireless gateway device which establishes the network using router software and communicates IP packets from the short-distance wireless network to and from the cellular network. See claim 88. However, in the patent background, the only recitation of a watch is one of a BT slave device; see the instant

patent at col. 2 ll. 12-16. A watch is never described as capable of performing the features claimed here, and thus the claim adds new matter to the patent.

As to **claim 97**, dependent on independent claim 88, claim 97 recites, in part:

> a telephony application, an email application for providing email services, a calendar application for providing calendaring services, and a contacts application for managing contacts,

As noted above as to claim 56, the instant patent discloses the features in the limitation in alternate form.

Thus there is not a positive recitation of all of the claimed personal information manager applications in one device being used to communicate within a single short-distance wireless network, and thus the claim adds new matter to the patent.

As to **claims 105 and 109,** dependent on independent claim 104**:**

Claim 105 recites, in part:

> further comprising a Bluetooth baseband software component, wherein the short distance wireless network includes a terminal comprising a watch communicating with the handheld device via Bluetooth signals

Claim 109 recites, in part:

> a Bluetooth signal transmitter/receiver;
>
> …
>
> wherein the short-range radio communications software includes software for both Bluetooth and 802.11 communications.

As noted above as to claim 48, this feature is not recited in the patent disclosure, and thus there is not a positive recitation of both standards in one device being used to

communicate within a single short-distance wireless network, and thus the claims add new matter to the patent.

As to **claim 107**, dependent on independent claim 104, claim 107 recites, in part:

> a telephony application, an email application for providing email services, a calendar application for providing calendaring services, and a contacts application for managing contacts,

As noted above as to claim 56, the instant patent discloses the features in the limitation in alternate form.

Thus there is not a positive recitation of all of the claimed personal information manager applications in one device being used to communicate within a single short-distance wireless network, and thus the claim adds new matter to the patent.

As to **claim 115,** claim 115 recites, in part:

> the processor operative with the at least one software component to:
>
> transmit and receive 802.11 short-range radio signals;
>
> transmit and receive Bluetooth short-range radio signals;

As noted above as to claim 48, this feature is not recited in the patent disclosure, and thus there is not a positive recitation of both standards in one device being used to communicate within a single short-distance wireless network, and thus the claim adds new matter to the patent.

Claims 116-127 are rejected as dependent on claim 115 above. Note also dependent claims 116 and 117 which also disclose this new matter.

Further as to **claim 119**, claim 119 recites, in part:

> wherein the at least one software component comprises a calendar application for providing calendaring services, an email application for providing email services, a contacts application for managing contacts, and a telephony application for providing telephone services

As noted above as to claim 56, the instant patent discloses the features in the limitation in alternate form.

Thus there is not a positive recitation of all of the claimed personal information manager applications in one device being used to communicate within a single short-distance wireless network, and thus the claim adds new matter to the patent. **Claim 120** is rejected as dependent on claim 119 above.

As to **claim 128**, claim 128 recites, in part:

> a telephony application for providing call services, an email application for providing email services, a calendar application for providing calendaring services, a contacts application for managing contacts,

As noted above as to claim 56, the instant patent discloses the features in the limitation in alternate form.

Thus there is not a positive recitation of all of the claimed personal information manager applications in one device being used to communicate within a single short-distance wireless network, and thus the claim adds new matter to the patent. **Claim 129** is rejected as dependent on claim 128 above.

The following is a quotation of 35 U.S.C. 112(b):

> (b) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims **48-55** are rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor, or for pre-AIA the applicant regards as the invention.

As to **claim 48**, claim 48 discloses a component to communicate with a device in a short-distance network using 802.11, a component to communicate with multiple devices in the same network using Bluetooth, and a component to establish said network with "at least a second wireless device". That is to say, the network may be established with as little as one device, yet it is also claimed that the network comprises multiple devices other than the article of manufacture claimed. Claims 49-55 are rejected as dependent on claim 48.

V. Patentable Subject Matter

Claims 88, 89, 91, 95, 96, 98-104, 106 and 110-114 are patentable as added.

STATEMENT OF REASONS FOR PATENTABILITY AND/OR CONFIRMATION

The following is an examiner's statement of reasons for patentability and/or confirmation of the claims found patentable in this reexamination proceeding:

As to **claim 88**, it is noted that instant claim 88 is based on issued claim 25, which was found by the Board to be obvious over the combination of Marchand in view of Larsson and the JINI Specification. See, *inter alia*, the 6/19/2015 Petition for Inter Partes Review in IPR 2015-01444 at 55 as well as the 12/21/2016 Final Written Decision at 38.

Instant claim 88, however, further adds that the second wireless device and the first wireless device communicate using 802.11 communications for the first short-range radio signal, and that the second wireless device establishes the short distance wireless network using personal area network ("PAN") router software having a routing component enabling exchange of the IP packets between the first wireless device and the second wireless device, broadcasting of IP packets between all devices on the short distance wireless network, and routing of the IP packets to and from the cellular network.

While the combination of Marchand, Larsson and JINI discloses components enabling exchange of IP packets between the first and second wireless devices as well as the cellular component, which reads a general router software component, Marchand, Larsson and JINI do not disclose broadcasting of IP packets between all

devices on the short distance wireless network, nor do they disclose 802.11 communications. Other references asserted by the Requestor/Patent Owner in the instant reexamination proceeding do not disclose these features either. References of record in the original prosecution disclose 802.x communication (see, for example, US Pat 6,763,012 to Lord), however such fails to further disclose using such in the network with the features claimed. Claims 89, 91, 95, 96, and 98-103 are patentable based on a dependence on claim 88.

As to **claim 104**, it is noted that instant claim 104 is based on issued claim 34, which was found by the Board to be obvious over the combination of Marchand in view of Nurmann, Vilander and the JINI Specification. See, *inter alia*, the 6/19/2015 Petition for Inter Partes Review in IPR 2015-01444 at 39 as well as the 12/21/2016 Final Written Decision at 31.

Instant claim 104, however, further adds that the handheld device comprises an 802.11 signal transmitter/receiver, and provides and establishes a short distance wireless network with a terminal using said 802.11 transmitter/receiver, and provides a network management component including a disconnect terminal function that forces disconnection from a specific terminal.

While the combination of Marchand, Nurmann, Vilander and JINI discloses a handheld device creating a short-distance network with a terminal and provides software components for doing so, Marchand, Nurmann, Vilander and JINI do not disclose a network management component including a disconnect terminal function that forces disconnection from a specific terminal, nor do they disclose 802.11

communications. Other references asserted by the Requestor/Patent Owner in the instant reexamination proceeding do not disclose these features either. References of record in the original prosecution disclose 802.x communication (see, for example, US Pat 6,763,012 to Lord), however such fails to further disclose using such in the network with the features claimed. Claims 106 and 110-114 are patentable based on a dependence on claim 104.

Any comments considered necessary by PATENT OWNER regarding the above statement must be submitted promptly to avoid processing delays. Such submission by the patent owner should be labeled: "Comments on Statement of Reasons for Patentability and/or Confirmation" and will be placed in the reexamination file.

VI. Conclusion

Extensions of time under 37 CFR 1.136(a) do not apply in reexamination proceedings. The provisions of 37 CFR 1.136 apply only to "an applicant" and not to parties in a reexamination proceeding. Further, in 35 U.S.C. 305 and in 37 CFR 1.550(a), it is required that reexamination proceedings "will be conducted with special dispatch within the Office."

Extensions of time in reexamination proceedings are provided for in 37 CFR 1.550(c). A request for extension of time must be filed on or before the day on which a response to this action is due, and it must be accompanied by the petition fee set forth in 37 CFR 1.17(g). The mere filing of a request will not effect any extension of time. An extension of time will be granted only for sufficient cause, and for a reasonable time specified.

The Patent Owner is again reminded of the continuing responsibility under 37 CFR 1.565(a), to apprise the Office of any litigation activity, or other prior or concurrent proceeding, involving the instant '033 Patent throughout the course of this reexamination proceeding.

All correspondence relating to this *ex parte* reexamination proceeding should be directed:

By Mail to: Mail Stop *Ex Parte* Reexam
Central Reexamination Unit
Commissioner for Patents
United States Patent & Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

By FAX to: (571) 273-9900
Central Reexamination Unit

By hand: Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Registered users of EFS-Web may alternatively submit such correspondence via the electronic filing system EFS-Web, at https://sportal.uspto.gov/authenticate/authenticateuserlocalepf.html. EFS-Web offers the benefit of quick submission to the particular area of the Office that needs to act on the correspondence. Also, EFS-Web submissions are "soft scanned" (i.e., electronically uploaded) directly into the official file for the reexamination proceeding, which offers parties the opportunity to review the content of their submissions after the "soft scanning" process is complete.

Any inquiry concerning this communication or earlier communications from the Reexamination Legal Advisor or Examiner, or as to the status of this proceeding, should be directed to Charles Craver at telephone number (571) 272-7849.

Signed:

/Charles Craver/
Charles Craver
Primary Examiner
Central Reexamination Unit 3992
(571) 272-7849

Conferees: /Joseph R. Pokrzywa/
Primary Examiner, CRU 3992

/M. F./
Supervisory Patent Examiner, Art Unit 3992

Substitute Form PTO-1449 (Modified) U.S. Department of Commerce Patent and Trademark Office **Information Disclosure Statement by Applicant** (Use several sheets if necessary) (37 CFR §1.98(b))	Attorney Docket No. 0909-010	Control No. 90/013,925
	Applicant Amit Haller	
	Filing Date March 24, 2017	Group Art Unit 3992

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
		5,796,832	08/18/1998	Kawan			
		6,524,189	02/25/2003	Rautila			
		6,697,352	02/24/2004	Ludwig et al.			
		6,788,656	09/07/2004	Smolentzov et al.			
		6,788,935	09/07/2004	McKenna et al.			
		6,813,501	11/02/2004	Kinnunen et al.			
		6,847,819	01/25/2005	Sprigg et al.			
		6,965,948	11/15/2005	Eneborg et al.			
		7,076,536	07/11/2006	Chiloyan et al.			
		7,130,608	10/31/2006	Hollstrom et al.			
		7,412,518	08/12/2008	Duigou et al.			
		8,862,736	10/14/2014	Tagg			
		2002/0091843	07/11/2002	Vaid			
		2002/0101848	08/01/2002	Lee et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	No

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	1	Baker et al., "Local Control over Filtered WWW Access," Fourth Int'l WWW Conference, 1995.
	2	Bettstetter et al., "A Comparison Of Service Discovery Protocols And Implementation Of The Service Location Protocol," Technische Universitat Munchen, Institute of Communication Networks, 2000.
	3	Bluetooth Protocol Architecture, Version 1.0, 29 September 1999.
	4	Bluetooth Security Architecture, Version 1.0, 15 July 1999.

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.R.C/

Substitute Form PTO-1449 (Modified) U.S. Department of Commerce Patent and Trademark Office **Information Disclosure Statement by Applicant** (Use several sheets if necessary) (37 CFR §1.98(b))	Attorney Docket No. 0909-010	Control No. 90/013,925
	Applicant Amit Haller	
	Filing Date March 24, 2017	Group Art Unit 3992

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	5	Clark et al., "The Personal Router Whitepaper," MIT Laboratory For Computer Science, Version 2. March 2001.
	6	Ding et al., "Centralized Content-Based Web Filtering and Blocking: How Far Can It Go?" Conference Proceedings of Systems, Man, and Cybernetics, IEEE, 1999.
	7	Ericsson T39 User Manual, Sony Ericsson, March 2001.
	8	Jini Device Architecture Specification, Sun Microsystems, January 25, 1999.
	9	Karnouskos, "Supporting Nomadic Users within Virtual Private Networks," Service Portability and Virtual Customer Environments of IEEE, pp 128-133, 2000.
	10	Leppanen et al., "Software Radio - An Alternative for the Future in Wireless Personal and Multimedia Communications," IEEE International Conference on Personal Wireless Communication, pp 364-368, 1999.
	11	Mitra et al., "VPN DESIGNER: A Tool for Design of Multiservice Virtual Private Networks," Bell Labs Technical Journal, Vol. 3, Issue 4, pp 15-31, December 1998.
	12	Mockapetris, "Development of the Domain Name System," Symposium proceedings on Communications architectures and protocols, ACM, Vol. 18, No. 4, pp 123-133, August 1988.
	13	Mockapetris, RFC 882 titled Domain Names Concepts and Facilities, Internet Engineering Task Force (IETF), November 1983.
	14	Murthy et al., "Firewalls for Security in Wireless Networks," Proceedings of 31st Hawaii Int'l Conf. on System Sciences, January 1998.
	15	Raza et al., "Network Configuration with Plug and Play Components," Proceedings of the Sixth IFIP/IEEE Int'l Symposium on Integrated Network Management, 1999.
	16	RFC 1631 - Network Working Group - The IP Network Address Translator (NAT), May 1994.
	17	RFC 1661 - Network Working Group - The Point-to-Point Protocol (PPP), July 1994.
	18	RFC 1812 - Network Working Group - Requirements for IP Version 4 Routers, June 1995.
	19	RFC 2663 - Network Working Group - IP Network Address Translator (NAT) Terminology and Considerations, August 1999.
	20	Lee et al., "Ricocheting Bluetooth," 2000 2nd International Conference on Microwave and Millimeter Wave Technology Proceedings, IEEE (published 2000), at pp. 432-435.
	21	Saif et al., "Internet Access to a Home Area Network," IEEE Internet Computing, pp 54-63, February 2001.
	22	Solomon, "The Windows NT Kernel Architecture," Computer, Vol. 31, Issue 10, October 1998.
	23	Specification of the Bluetooth System: Core, Specification Volume 1, Wireless connections made easy, December 1, 1999.
	24	Specification of the Bluetooth System: Profiles, Specification Volume 2, Wireless connections made easy, December 1, 1999.
	25	User's Guide for Nokia 6310 Mobile Telephone, Nokia Corp., pp 1-105, 2001
	26	Hsiao et al., "Wireless Open Service Networks", Proceedings of IEEE GLOBECOM2000 Workshop on Service Portability, December 1, 2000.

Examiner Signature	Date Considered
/CHARLES R CRAVER/	09/04/2017

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.R.C/

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	90013925	7039033
	Examiner	Art Unit
	CHARLES CRAVER	3992

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	09/04/2017								
	48	✓								
	49	✓								
	50	✓								
	51	✓								
	52	✓								
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	82	✓								
	83	✓								

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	90013925	7039033
	Examiner	Art Unit
	CHARLES CRAVER	3992

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	09/04/2017								
	84	✓								
	85	✓								
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	87	✓								
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	116	✓								
	117	✓								
	118	✓								
	119	✓								

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	90013925	7039033
	Examiner	Art Unit
	CHARLES CRAVER	3992

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	09/04/2017								
	120	✓								
	121	✓								
	122	✓								
	123	✓								
	124	✓								
	125	✓								
	126	✓								
	127	✓								
	128	✓								
	129	✓								

Reexamination	**Application/Control No.** 90013925	**Applicant(s)/Patent Under Reexamination** 7039033
	Certificate Date	**Certificate Number** C1

Requester Correspondence Address:	☒ **Patent Owner**	☐ **Third Party**
BROOKS KUSHMAN P.C. 1000 TOWN CENTER TWENTY-SECOND FLOOR SOUTHFIELD, MI 48075		

LITIGATION REVIEW ☒	cc (examiner initials)	09/04/2017 (date)
Case Name		Director Initials
IXI Mobile (R&D) Ltd., et al v. Samsung Electronics Co		
IXI Mobile (R&D) Ltd., et al v. Blackberry Limited et al,		
IXI Mobile (R&D) Ltd., et al v. Apple Inc. , US Dist C		

COPENDING OFFICE PROCEEDINGS	
TYPE OF PROCEEDING	**NUMBER**
1. Inter Partes Review	IPR2015-01444

	/CHARLES CRAVER/ Primary Examiner.Art Unit 3992

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
90/013,925	03/24/2017	7039033	0909-010

CONFIRMATION NO. 1027

41200
PK PATENT LAW
213 S. Payne Street
Alexandria, VA 22314

POWER OF ATTORNEY NOTICE

OC000000093248362

Date Mailed: 08/07/2017

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 07/27/2017.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/rbell/

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
90/013,925	03/24/2017	7039033	0909-010

CONFIRMATION NO. 1027

POA ACCEPTANCE LETTER

22045
BROOKS KUSHMAN P.C.
1000 TOWN CENTER
TWENTY-SECOND FLOOR
SOUTHFIELD, MI 48075

OC000000093248365

Date Mailed: 08/07/2017

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 07/27/2017.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at **(571) 272-4000** or **(571) 272-4200** or **1-888-786-0101**.

/rbell/

PTO/AIA/81B (07-13)
Approved for use through 01/31/2018. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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REEXAMINATION OR SUPPLEMENTAL EXAMINATION – PATENT OWNER POWER OF ATTORNEY OR REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS FOR REEXAMINATION OR SUPPLEMENTAL EXAMINATION AND PATENT

Control Number(s)	90/013,925
Filing Date(s)	March 24, 2017
First Named Inventor	Amit Haller
Title	System, Device and Computer Readable
Patent Number	7,039,033
Examiner Name	Charles R Craver
Attorney Docket No(s)	IXI0101RX

I. Power of Attorney. This form may be used to change the Power of Attorney in a reexamination or supplemental examination proceeding (or multiple proceedings where merged). This form may also be used to change the Power of Attorney in the patent file; in such a case, a copy of this form will be placed in both the patent file and the reexamination or supplemental examination proceeding.

A. Revocation of Previous Power of Attorney. I hereby revoke all previous patent owner powers of attorney, if any, given:

☒ in the above-identified reexamination or supplemental examination proceeding control number(s) (more than one may be changed only if the proceedings are merged).

☐ in the file of the above-identified patent.

(check BOTH boxes if change in BOTH the patent file and the reexamination or supplemental examination proceeding is requested).

B. Designation of Power of Attorney.

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint Practitioner(s) associated with the Customer Number identified in the box at right as my/our attorney(s) or agent(s) to prosecute the proceeding(s)/patent identified above and selected in section I(A), and to transact all business in the United States Patent and Trademark Office connected therewith: 22045

OR

☐ I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) to prosecute the proceeding(s) identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

Practitioner(s) Name	Registration Number

Authorization for the Power of Attorney is provided by the signature on page 2 of this form.

This collection of information is required by 37 CFR 1.31, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public, which is to update (and by the USPTO to process) the file of a patent or reexamination proceeding. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 15 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

II. Change of Correspondence Address

Please recognize or change the correspondence address for the above-identified reexamination or supplemental examination proceeding control number(s) (more than one may be changed **only** if they are merged proceedings) **and for the file of the above-identified patent** to be:

☒ The address associated with the above-identified Customer Number.
OR
☐ The address associated with the Customer Number identified in the box at right: ☐
OR

☐ Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Email			

NOTE: THE CORRESPONDENCE ADDRESS FOR THE REEXAMINATION OR SUPPLEMENTAL EXAMINATION PROCEEDING CONTROL NUMBER(S) MUST BE THE SAME AS THAT FOR THE PATENT. SEE 37 CFR 1.33.

III. Authorization for Power of Attorney and (if selected) Change of Correspondence Address

I am the:
☐ Inventor, having ownership of the patent being reexamined.
OR
☒ Patent owner.
Statement under 37 CFR 3.73(c) (Form PTO/AIA/96) submitted herewith or filed on _____.

Signature of Inventor or Patent Owner		Date 7/26/17	
Name	Steven Robert Pedersen	Telephone	212-634-7150
Title and Company	Manager, IXI IP, LLC		

NOTE: Signatures of all the inventors or patent owners of the entire interest or their representative(s) are required. If more than one signature is required, submit multiple forms, check the box below, and identify the total number of forms submitted in the blank below.

☐ A total of _____ forms are submitted. *If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

Patent Assignment Abstract of Title

Total Assignments: 7

Application #: 09850399 **Filing Dt:** 05/07/2001 **Patent #:** 7039033 **Issue Dt:** 05/02/2006

PCT #: NONE **Intl Reg #:** **Publication #:** US20020163895 **Pub Dt:** 11/07/2002

Inventors: Amit Haller, Peter Fornell, Avraham Itzchak, Amir Glick, Ziv Haparnas

Title: SYSTEM, DEVICE AND COMPUTER READABLE MEDIUM FOR PROVIDING A MANAGED WIRELESS NETWORK USING SHORT-RANGE RADIO SIGNALS

Assignment: 1

Reel/Frame: 032239 / 0078 **Received:** 02/11/2014 **Recorded:** 02/11/2014 **Mailed:** 02/20/2014 **Pages:** 5

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignor: IXI MOBILE (ISRAEL) LTD. **Exec Dt:** 11/28/2001

Assignee: IXI MOBILE (R & D) LTD.
11 MOSHE LEVI STREET
RISHON LEZION, ISRAEL

Correspondent: JMB DAVIS BEN-DAVID
8 HARTOM STREET
JERUSALEM, ISRAEL

Assignment: 2

Reel/Frame: 013273 / 0484 **Received:** 09/13/2002 **Recorded:** 09/13/2002 **Mailed:** 12/02/2002 **Pages:** 7

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: HALLER, AMIT **Exec Dt:** 01/07/2002

FORNELL, PETER **Exec Dt:** 01/07/2002

ITZCHAK, AVRAHAM **Exec Dt:** 06/05/2002

GLICK, AMIR **Exec Dt:** 03/06/2002

HAPARNAS, ZIV **Exec Dt:** 01/07/2002

Assignee: IXI MOBILE (ISRAEL) LTD.
HA'TIDHAR STREET, #3
RA'ANANA, ISRAEL 43654

Correspondent: VIERRA MAGEN MARCUS ET AL.
KIRK J. DENIRO
685 MARKET STREET, SUITE 540
SAN FRANCISCO, CA 94105

Assignment: 3

Reel/Frame: 017846 / 0872 **Received:** 06/29/2006 **Recorded:** 06/29/2006 **Mailed:** 06/30/2006 **Pages:** 10

Conveyance: SECURITY AGREEMENT

Assignor: IXI MOBILE (R&D) LTD. **Exec Dt:** 06/19/2006

Assignee: SOUTHPOINT MASTER FUND LP
623 FIFTH AVENUE
SUITE 2503
NEW YORK, NEW YORK 10022

Correspondent: AARON R. ETTELMAN [680454.0003]
ONE COMMERCE SQUARE
2005 MARKET STREET, SUITE 2200
PHILADELPHIA, PA 19103-7013

Assignment: 4

Reel/Frame: 028055 / 0575 **Received:** 04/17/2012 **Recorded:** 04/17/2012 **Mailed:** 04/18/2012 **Pages:** 5

Conveyance: RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignor: SOUTHPOINT MASTER FUND LP **Exec Dt:** 03/21/2012

Assignee: IXI MOBILE (R&D) LTD.
11 MOSHE LEVI STREET
RISHON LEZION, ISRAEL

Correspondent: JMB DAVIS BEN-DAVID
1 HAMARPE STREET
PO BOX 45087
JERUSALEM, ISRAEL

Assignment: 5

Reel/Frame: 033042 / 0985 **Received:** 06/05/2014 **Recorded:** 06/05/2014 **Mailed:** 06/06/2014 **Pages:** 6

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor: IXI MOBILE (R&D) LTD. **Exec Dt:** 06/05/2014

Assignee: IXI IP, LLC
THE CHRYSLER BUILDING
405 LEXINGTON AVENUE, SUITE 726
NEW YORK, NEW YORK 10174

Correspondent: PERKINS COIE LLP
1201 THIRD AVENUE, SUITE 4900
SEATTLE, WA 98101

Assignment: 6

Reel/Frame: 033098 / 0056 **Received:** 06/05/2014 **Recorded:** 06/05/2014 **Mailed:** 06/16/2014 **Pages:** 5

Conveyance: SECURITY INTEREST

Assignor: IXI IP, LLC **Exec Dt:** 06/05/2014

Assignee: FORTRESS CREDIT CO LLC
1345 AVENUE OF THE AMERICAS
46TH FLOOR
NEW YORK, NEW YORK 10105

Correspondent: PERKINS COIE LLP
1201 THIRD AVENUE, SUITE 4900
SEATTLE, WA 98101

Assignment: 7

Reel/Frame: 033718 / 0687 **Received:** 09/11/2014 **Recorded:** 09/11/2014 **Mailed:** 09/12/2014 **Pages:** 3

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor: FORTRESS CREDIT CO DBDLLC **Exec Dt:** 09/11/2014

Assignee: FCO V CLO TRANSFEROR LLC
1345 AVENUE OF THE AMERICAS
46TH FLOOR
NEW YORK, NEW YORK 10105

Correspondent: PERKINS COIE LLP
1201 THIRD AVENUE, SUITE 4900
SEATTLE, WA 98101

Search Results as of: 07/22/2017 14:25:41 PM

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Assignment information on the assignment database reflects assignment documents that have been actually recorded.
If the assignment for a patent was not recorded, the name of the assignee on the patent application publication or patent may be different.
If you have any comments or questions concerning the data displayed, contact OPR / Assignments at 571-272-3350

Close Window

PTO/AIA/96 (08-12)
Approved for use through 01/31/2013. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: IXI IP, LLC

Application No./Patent No.: 7,039,033 Filed/Issue Date: May 2, 2006

Titled: System, Device and Computer Readable Medium for Providing a Managed Wireless Network Using Short-Range Radio Signals

IXI IP, LLC, a Corporation

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that, for the patent application/patent identified above, it is (choose **one** of options 1, 2, 3 or 4 below):

1. ☑ The assignee of the entire right, title, and interest.

2. ☐ An assignee of less than the entire right, title, and interest (check applicable box):

   ☐ The extent (by percentage) of its ownership interest is _____%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.

   ☐ There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

   Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

3. ☐ The assignee of an undivided interest in the entirety (a complete assignment from one of the joint inventors was made). The other parties, including inventors, who together own the entire right, title, and interest are:

   Additional Statement(s) by the owner(s) holding the balance of the interest must be submitted to account for the entire right, title, and interest.

4. ☐ The recipient, via a court proceeding or the like (*e.g.*, bankruptcy, probate), of an undivided interest in the entirety (a complete transfer of ownership interest was made). The certified document(s) showing the transfer is attached.

The interest identified in option 1, 2 or 3 above (not option 4) is evidenced by either (choose **one** of options A or B below):

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

B. ☑ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: HALLER, FORNELL, ITZCHAK, GLICK, HAPARNAS To: IXI MOBILE (ISRAEL) LTD.

   The document was recorded in the United States Patent and Trademark Office at Reel 013273, Frame 0484, or for which a copy thereof is attached.

2. From: IXI MOBILE (ISRAEL) LTD. To: IXI MOBILE (R&D) LTD.

   The document was recorded in the United States Patent and Trademark Office at Reel 032239, Frame 0078, or for which a copy thereof is attached.

PTO/AIA/96 (08-12)
Approved for use through 01/31/2013. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

STATEMENT UNDER 37 CFR 3.73(c)

3. From: IXI MOBILE (R&D) LTD. To: IXI IP, LLC

The document was recorded in the United States Patent and Trademark Office at
Reel 033042, Frame 0985, or for which a copy thereof is attached.

4. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

☑ As required by 37 CFR 3.73(c)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature	7/26/17 Date
Steven Robert Pedersen Printed or Typed Name	Manager Title or Registration Number

[Page 2 of 2]

Electronic Acknowledgement Receipt	
EFS ID:	29906860
Application Number:	90013925
International Application Number:	
Confirmation Number:	1027
Title of Invention:	SYSTEM, DEVICE AND COMPUTER READABLE MEDIUM FOR PROVIDING A MANAGED WIRELESS NETWORK USING SHORT-RANGE RADIO SIGNALS
First Named Inventor/Applicant Name:	7039033
Customer Number:	41200
Filer:	Lissi M. Marquis/Nona Durham
Filer Authorized By:	Lissi M. Marquis
Attorney Docket Number:	0909-010
Receipt Date:	27-JUL-2017
Filing Date:	24-MAR-2017
Time Stamp:	12:56:00
Application Type:	Reexam (Patent Owner)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	IXI-POA-Signed.pdf	690252 3438da163818c3e37f8553e568b98100065172d7	no	6
Warnings:					

Information:	
Total Files Size (in bytes):	690252

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

Bib Data Sheet

CONFIRMATION NO. 1027

SERIAL NUMBER	FILING OR 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
90/013,925	03/24/2017 RULE	370	3992	0909-010

AIA (First Inventor to File): YES

INVENTORS

7039033, Residence Not Provided;
IXI IP LLC, NEW YORK, NY;
PATENT OWNER, Residence Not Provided;

APPLICANTS

7039033, Residence Not Provided;
IXI IP LLC, NEW YORK, NY;
PATENT OWNER, Residence Not Provided;

**** CONTINUING DATA ***************************

This application is a REX of 09/850,399 05/07/2001 PAT 7039033

**** FOREIGN APPLICATIONS *********************

Foreign Priority claimed	☐ yes ☐ no	STATE OR COUNTRY	SHEETS DRAWING	TOTAL CLAIMS	INDEPENDENT CLAIMS
35 USC 119 (a-d) conditions met	☐ yes ☐ no ☐ Met after Allowance			56	6
Verified and Acknowledged	Examiner's Signature Initials				

ADDRESS
22045

TITLE
SYSTEM, DEVICE AND COMPUTER READABLE MEDIUM FOR PROVIDING A MANAGED WIRELESS NETWORK USING SHORT-RANGE RADIO SIGNALS

FILING FEE RECEIVED	FEES: Authority has been given in Paper	☐ All Fees
12000	No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
90/013,925	03/24/2017	7039033	0909-010	1027

41200 7590 06/30/2017

PK PATENT LAW
213 S. Payne Street
Alexandria, VA 22314

EXAMINER
CRAVER, CHARLES R

ART UNIT	PAPER NUMBER
3992	

MAIL DATE	DELIVERY MODE
06/30/2017	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Ex Parte Reexamination Interview Summary – Pilot Program for Waiver of Patent Owner's Statement	Control No. 90/013,925	Patent Under Reexamination is Requested 7039033
	Examiner CHARLES CRAVER	Art Unit 3992

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address. --

All participants (USPTO official and patent owner):

(1) PATRICIA VOLPE, OCRU (3)

(2) PETER KORYTNYK, 43400 (4)

Date of Telephonic Interview:06/29/2017.

A. The USPTO official requested waiver of the patent owner's statement pursuant to the pilot program for waiver of patent owner's statement in *ex parte* reexamination proceedings.*

☒ The patent owner **agreed** to waive its right to file a patent owner's statement under 35 U.S.C. 304 in the event reexamination is ordered for the above-identified patent.

☐ The patent owner **did not agree** to waive its right to file a patent owner's statement under 35 U.S.C. 304 at this time.

☐ USPTO personnel were unable to reach the patent owner.**

B. The Patent Owner of record telephoned the Office and indicated they would like to participate in the pilot program for waiver of patent owner's statement in *ex parte* reexamination proceedings.*

☐ The Patent owner of record telephoned the Office and **agreed** to waive its right to file a patent owner's statement under 35 U.S.C. 304 in the event reexamination is ordered for the above-identified patent.

The patent owner is not required to file a written statement of this telephone communication under 37 CFR 1.560(b) or otherwise. However, any disagreement as to this interview summary must be brought to the immediate attention of the USPTO, and no later than one month from the mailing date of this interview summary. Extensions of time are governed by 37 CFR 1.550(c).

*For more information regarding this pilot program, see *Pilot Program for Waiver of Patent Owner's Statement in Ex Parte Reexamination Proceedings*, 75 *Fed. Reg.* 47269 (August 5, 2010), available on the USPTO Web site at http://www.uspto.gov/patents/law/notices/2010.jsp.

**The patent owner may contact the USPTO personnel at (571) 272-7705 or at the telephone number provided below if the patent owner decides to waive the right to file a patent owner's statement under 35 U.S.C. 304.

/ Patricia Volpe / (571)272-6825
Signature and telephone number of the USPTO official, who contacted, was contacted by, or attempted to contact the patent owner.

cc: Requester (if third party requester)

Substitute Form PTO-1449 (Modified) U.S. Department of Commerce Patent and Trademark Office **Information Disclosure Statement by Applicant** (Use several sheets if necessary) (37 CFR §1.98(b))	Attorney Docket No. 0909-010	Control No. 90/013,925
	Applicant Amit Haller	
	Filing Date March 24, 2017	Group Art Unit 3992

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
		5,796,832	08/18/1998	Kawan			
		6,524,189	02/25/2003	Rautila			
		6,697,352	02/24/2004	Ludwig et al.			
		6,788,656	09/07/2004	Smolentzov et al.			
		6,788,935	09/07/2004	McKenna et al.			
		6,813,501	11/02/2004	Kinnunen et al.			
		6,847,819	01/25/2005	Sprigg et al.			
		6,965,948	11/15/2005	Eneborg et al.			
		7,076,536	07/11/2006	Chiloyan et al.			
		7,130,608	10/31/2006	Hollstrom et al.			
		7,412,518	08/12/2008	Duigou et al.			
		8,862,736	10/14/2014	Tagg			
		2002/0091843	07/11/2002	Vaid			
		2002/0101848	08/01/2002	Lee et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	No

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	1	Baker et al., "Local Control over Filtered WWW Access," Fourth Int'l WWW Conference, 1995.
	2	Bettstetter et al., "A Comparison Of Service Discovery Protocols And Implementation Of The Service Location Protocol," Technische Universitat Munchen, Institute of Communication Networks, 2000.
	3	Bluetooth Protocol Architecture, Version 1.0, 29 September 1999.
	4	Bluetooth Security Architecture, Version 1.0, 15 July 1999.

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified) U.S. Department of Commerce Patent and Trademark Office **Information Disclosure Statement by Applicant** (Use several sheets if necessary) (37 CFR §1.98(b))	Attorney Docket No. 0909-010	Control No. 90/013,925
	Applicant Amit Haller	
	Filing Date March 24, 2017	Group Art Unit 3992

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	5	Clark et al., "The Personal Router Whitepaper," MIT Laboratory For Computer Science, Version 2. March 2001.
	6	Ding et al., "Centralized Content-Based Web Filtering and Blocking: How Far Can It Go?" Conference Proceedings of Systems, Man, and Cybernetics, IEEE, 1999.
	7	Ericsson T39 User Manual, Sony Ericsson, March 2001.
	8	Jini Device Architecture Specification, Sun Microsystems, January 25, 1999.
	9	Karnouskos, "Supporting Nomadic Users within Virtual Private Networks," Service Portability and Virtual Customer Environments of IEEE, pp 128-133, 2000.
	10	Leppanen et al., "Software Radio - An Alternative for the Future in Wireless Personal and Multimedia Communications," IEEE International Conference on Personal Wireless Communication, pp 364-368, 1999.
	11	Mitra et al., "VPN DESIGNER: A Tool for Design of Multiservice Virtual Private Networks," Bell Labs Technical Journal, Vol. 3, Issue 4, pp 15-31, December 1998.
	12	Mockapetris, "Development of the Domain Name System," Symposium proceedings on Communications architectures and protocols, ACM, Vol. 18, No. 4, pp 123-133, August 1988.
	13	Mockapetris, RFC 882 titled Domain Names Concepts and Facilities, Internet Engineering Task Force (IETF), November 1983.
	14	Murthy et al., "Firewalls for Security in Wireless Networks," Proceedings of 31st Hawaii Int'l Conf. on System Sciences, January 1998.
	15	Raza et al., "Network Configuration with Plug and Play Components," Proceedings of the Sixth IFIP/IEEE Int'l Symposium on Integrated Network Management, 1999.
	16	RFC 1631 - Network Working Group - The IP Network Address Translator (NAT), May 1994.
	17	RFC 1661 - Network Working Group - The Point-to-Point Protocol (PPP), July 1994.
	18	RFC 1812 - Network Working Group - Requirements for IP Version 4 Routers, June 1995.
	19	RFC 2663 - Network Working Group - IP Network Address Translator (NAT) Terminology and Considerations, August 1999.
	20	Lee et al., "Ricocheting Bluetooth," 2000 2nd International Conference on Microwave and Millimeter Wave Technology Proceedings, IEEE (published 2000), at pp. 432-435.
	21	Saif et al., "Internet Access to a Home Area Network," IEEE Internet Computing, pp 54-63, February 2001.
	22	Solomon, "The Windows NT Kernel Architecture," Computer, Vol. 31, Issue 10, October 1998.
	23	Specification of the Bluetooth System: Core, Specification Volume 1, Wireless connections made easy, December 1, 1999.
	24	Specification of the Bluetooth System: Profiles, Specification Volume 2, Wireless connections made easy, December 1, 1999.
	25	User's Guide for Nokia 6310 Mobile Telephone, Nokia Corp., pp 1-105, 2001
	26	Hsiao et al., "Wireless Open Service Networks", Proceedings of IEEE GLOBECOM2000 Workshop on Service Portability, December 1, 2000.

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Disclosure Form (PTO-1449)

Electronic Acknowledgement Receipt

EFS ID:	29435847
Application Number:	90013925
International Application Number:	
Confirmation Number:	1027
Title of Invention:	SYSTEM, DEVICE AND COMPUTER READABLE MEDIUM FOR PROVIDING A MANAGED WIRELESS NETWORK USING SHORT-RANGE RADIO SIGNALS
First Named Inventor/Applicant Name:	7039033
Customer Number:	41200
Filer:	Peter George Korytnyk
Filer Authorized By:	
Attorney Docket Number:	0909-010
Receipt Date:	08-JUN-2017
Filing Date:	24-MAR-2017
Time Stamp:	14:15:54
Application Type:	Reexam (Patent Owner)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	IDS-Transmittal.pdf	30437 0f21925c415ec16ba7695a72a6b46671785 7f80e	no	2

Warnings:

Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	1449-IDS.pdf	34623 421e2b85c4d3ff0194c40b0cbebae7fc297b94e9	no	2
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
3	Non Patent Literature	1-Baker-Local-Control-Over.PDF	1182944 ca1d241bcd6abafa7ea53ae526944382129 4592f	no	15
Warnings:					
Information:					
4	Non Patent Literature	2-Bettstetter-A-Comparison-Of-Service.PDF	620709 6cad88b7bab26186c7a0179b2f813980e25 cb917	no	8
Warnings:					
Information:					
5	Non Patent Literature	3-Bluetooth-Protocol-Architecture.PDF	916530 dde8d6de5b2450d5e7369a345866f3e90c3 f30df	no	20
Warnings:					
Information:					
6	Non Patent Literature	4-Bluetooth-Security-Architecture.PDF	1232312 528fc5ddf36d7f78e3cd60098158b4075cd9 0db2	no	33
Warnings:					
Information:					
7	Non Patent Literature	5-Clark-The-Personal-Router-Whitepaper.PDF	1550205 8de7d4221fe93b093cf2cd3bb9833422e85 ae681	no	22
Warnings:					
Information:					
8	Non Patent Literature	6-Ding-Centralized-Content-Based.PDF	492292 e9fff2195c94cc3a0e29509373ebd6122573 3aab	no	5
Warnings:					
Information:					

9	Non Patent Literature	7-Ericsson-T39-User-Manual.pdf	15310538 051d96413666285fcbea34e9e00b0a0eac0802a4	no	146
Warnings:					
Information:					
10	Non Patent Literature	8-Jini-Device-Architecture.PDF	596248 080500d858963708c8cb6a18a578c0db394b4fc1	no	18
Warnings:					
Information:					
11	Non Patent Literature	9-Karnouskos-Supporting-Nomadic-Users.PDF	630174 00bb526b9c69742348aefc8cf6e1c4dcb499f7ba	no	7
Warnings:					
Information:					
12	Non Patent Literature	10-Leppanen-Software-Radio.PDF	483037 f9faf531ceacb69808b53d9af16899e2203cb851	no	5
Warnings:					
Information:					
13	Non Patent Literature	11-Mitra-VPN-Designer.PDF	1126631 c427f7d76bdd2fda82c3d5197a61afecb361b1b7	no	17
Warnings:					
Information:					
14	Non Patent Literature	12-Mockapetris-Development-of-the-Domain.PDF	876195 49a4e7ce47b9940ff35546bd423db8d5bbf99151	no	11
Warnings:					
Information:					
15	Non Patent Literature	13-Mockapetris-RFC882-1983.pdf	68046 0b82b2b700ba29e22548ccb32e510d4971fe652c	no	31
Warnings:					
Information:					

16	Non Patent Literature	14-Murthy-Firewalls-for-Security.PDF	1134958 df341e495e763dc338733fc16c09bcf380bb129a	no	9
Warnings:					
Information:					
17	Non Patent Literature	15-Raza-Network-Configuration.PDF	106607 6d67ad705948c9c2e75d31a241f3628d2e57e66d	no	2
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18	Non Patent Literature	16-RFC-1631-Network-Working-Group.PDF	356753 add1ef914a3e9de1a244e48458a4664789b45035	no	10
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Information:					
19	Non Patent Literature	17-RFC-1661-Network-Working-Group.PDF	1522853 4645adb5ad7e692a35f5f3c9f980f46caa823c69	no	49
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Information:					
20	Non Patent Literature	18-RFC-1812-Requirement-for-IP-Version.PDF	6720591 2231e4bdb042c8a7ce9f03e767bb5ba5bd2a7242	no	161
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Information:					
21	Non Patent Literature	19-RFC-2663-Network-Address.PDF	1153651 d7afbf25290dc7e139f69218e41ac62251080806	no	28
Warnings:					
Information:					
22	Non Patent Literature	20-Lee-Ricocheting-Bluetooth.PDF	266149 8e0492949788540af45195dff2ec1d1c9efd15fd	no	4
Warnings:					
Information:					

23	Non Patent Literature	21-Saif-Internet-Access-to-a-home.PDF	1323572 3701a6220811efb5999ce7aed79538ac7cfb4242	no	10
Warnings:					
Information:					
24	Non Patent Literature	22-Solomon-Windowns-NT-Kernel.PDF	933744 b50ba7073be2728dff8819cabf5ce40e51dea388	no	8
Warnings:					
Information:					
25	Non Patent Literature	23-Specification-of-the-Bluetooth-System-Core.pdf	9042255 d5c49e08fc9d0eef232805743004184 1b7e889f7	no	1082
Warnings:					
Information:					
26	Non Patent Literature	24-Specification-of-the-Bluetooth-System-Profiles.PDF	19208854 c59dd9e5d619fc10097afa23ebfd32d8b98ff499	no	440
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Information:					
27	Non Patent Literature	25-Nokia-Users-Guide.PDF	2308508 37efbfc3da65cf0104d163c344c758c0bc98f6b2	no	105
Warnings:					
Information:					
28	Non Patent Literature	26-Hsiao-Wireless-Open-Service-Networks.PDF	614915 1b760741a618057d8fee2151eed83b4f065fc82f	no	6
Warnings:					
Information:					
		Total Files Size (in bytes):	69844331		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In reexamination of:

Patent No: 7,039,033

Control No.: 90/013,925

Filed: March 24, 2017

Group Art Unit: 3992

Examiner: Charles R Craver

Confirmation Number: 1027

For: SYSTEM, DEVICE AND COMPUTER READABLE MEDIUM FOR PROVIDING A MANAGED WIRELESS NETWORK USING SHORT-RANGE RADIO SIGNALS

Attorney Docket No.: 0909-010

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97(b)

Mail Stop *Ex Parte* Reexamination
Attn: Central Reexamination Unit
Commissioner for Patents
U.S. Patent & Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Commissioner:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and §§ 1.97-1.98, the references listed and identified on the attached Form PTO-1449 are being submitted herewith for consideration by the Examiner. This statement is being filed in accordance with 37 C.F.R. § 1.97(b). Under 37 C.F.R. § 1.97(b), the information disclosure statement submitted herewith is being filed before the mailing of a first office action on the merits.

While this Statement is being filed in compliance with the duty of disclosure, citation of the listed reference is not to be construed as a representation that a search has been made, or an admission that any of the references cited are, or are considered to be, "material" as defined under 37 C.F.R. § 1.56(b) or that no other material information exists (see 37 C.F.R. § 1.97(g)).

It is believed that no fees are due with the filing of this papers. However, the Commissioner is hereby authorized to charge any fees or credit any overpayments as a result of the filing of this paper to our Deposit Account No. 503318.

Respectfully submitted,

Peter G. Korytnyk

Dated: June 8, 2017

Peter G. Korytnyk (Reg. No. 43,400)
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Alexandria, VA 22314
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
90/013,925	03/24/2017	7039033	0909-010	1027

41200 7590 05/17/2017

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Alexandria, VA 22314

EXAMINER
CRAVER, CHARLES R

ART UNIT	PAPER NUMBER
3992	

MAIL DATE	DELIVERY MODE
05/17/2017	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

DECISION ON REQUEST FOR EX PARTE REEXAMINATION

I. Summary

A Substantial New Question of Patentability (SNQ) affecting claims 48-56 of US Patent 7,039,033 (hereinafter "the '033 Patent") is raised by the Request for reexamination filed 3/24/2017 by the Patent Owner for the reasons set forth below.

Reexamination has been requested of claims 48 and 56 of the '033 Patent, and new claims 57-129 are added. The '033 Patent issued 5/2/2006 based on US Patent Application Ser. No. 09/850,399, filed 5/7/2001. The '033 Patent is still enforceable.

II. Related Proceedings and Matters

The '033 Patent under reexamination is currently under open litigation. Please see *IXI Mobile (R&D) Ltd., et al v. Samsung Electronics Co., Ltd. et al*, US Dist Ct California Northern District case no 3-15-cv-03752[1]; *IXI Mobile (R&D) Ltd., et al v. Blackberry Limited et al*, US Dist Ct California Northern District case no 3-15-cv-03754[2]; and *IXI Mobile (R&D) Ltd., et al v. Apple Inc.*, US Dist Ct California Northern District, case no 3-15-cv-03755[3].

The '033 Patent is currently subject to Inter Partes Review before the Patent Trial and Appeal Board ("PTAB"). See IPR2015-01444. In this Inter Partes Review, the PTAB provided a Final Written Decision 12/21/2016 as to the unpatentability of claims 1, 4-7, 12, 14, 15, 22, 23, 25, 28, 34, 39, 40, 42 and 46 of the '033 Patent. This Decision is

[1] Originally filed in the US Dist Court Southern District of New York as case no. 1-14-cv-04355-RJS
[2] Originally filed in the US Dist Court Southern District of New York as case no. 1-14-cv-04428-RJS
[3] Originally filed in the US Dist Court Southern District of New York as case no. 1-14-cv-07954-RJS

currently on Appeal to the Court of Appeals for the Federal Circuit. The instant Reexamination is for claims similar to those addressed by this Inter Partes Review.

As the Petitioner in the above-mentioned pending Inter Partes Review demonstrated a Reasonable Likelihood of Prevailing over claims 1, 4-7, 12, 14, 15, 22, 23, 25, 28, 34, 39, 40, 42 and 46 of the '033 Patent, Patent Owner here has filed a Request for ex parte reexamination over other claims 48 and 56 of the '033 Patent, that is, claims not currently before the Board in the Inter Partes Review.

Patent Owner has further amended said claims and added new claims 57-129, of which 65, 88, 104, 115, and 128 are independent. See Exhibit OTH-C of the Request.

> If a patent owner desires a complete remodeling of its claim structure according to a different strategy, it may do so in another type of proceeding before the Office. For instance, a patent owner may file a request for ex parte reexamination, relying on the Board's conclusion of a petitioner having shown reasonable likelihood of success on certain alleged grounds of unpatentability as raising a substantial new question of patentability.
>
> *Idle Free Systems, Inc. v. Bergstrom, Inc.*, IPR2012-00027, Paper 26 at p. 6.

As the instant '033 Patent is still pending, and no final decision has been made in the aforementioned litigation. As such, the instant claims in this proceeding will be given their "broadest reasonable interpretation" consistent with the Patent specification. Please see *In re Swanson,* No. 07-1534 (Fed. Cir. 2008).

III. Request

In the Request, Patent Owner asserts that a SNQ is raised over claims 48 and 56 by the following references:

WO2001/076154 A2 to Marchand ("Marchand"), published 10/11/2001, Patent Owner's Exhibit PPA-A

US Patent 6,560,642 B1 to Nurmann ("Nurmann"), issued 5/6/2003, Patent Owner's Exhibit PPA-B

US Patent 6,771,635 B1 to Vilander et al ("Vilander"), issued 8/3/2004, Patent Owner's Exhibit PPA-C

US Patent 6,836,474 B1 to Larsson et al ("Larsson"), issued 12/28/2004, Patent Owner's Exhibit PPA-D

SIP: Session Initiation Protocol, Network Working Group Request for Comments: 2543 ("RFC 2543"), Standards Track, The Internet Society, published 3/1999, Patent Owner's Exhibit PPA-E

JINI Specification, K. Arnold et al ("JINI"), Addison-Wesley, published 6/1/1999, Patent Owner's Exhibit PA-F

In the Request, Patent Owner asserts that a SNQ is raised over amended claims 48 and 56 by the above references as follows:

SNQ 1) Patent Owner asserts that Marchand in view of Nurmann and Vilander together raise a substantial new question of patentability as to amended claims 48 and 56 of the '033 Patent.

It is noted that Patent Owner has added new claims 57-129. These claims are also addressed by the raising of a substantial new question of patentability over amended claims 48 and 56, below.

IV. Patent Background and References

Independent claims 48 and 56 as issued are as follows:

48. An article of manufacture, including a computer readable medium, comprising:

a short-range radio software component to communicate with a device in a short distance wireless network using a short-range radio signal;

a cellular software component to communicate with a cellular network by using a cellular signal;

a network software component to selectively transfer an Internet Protocol ("IP") data packet between the device and the cellular network;

a service repository software component to identify a plurality of available services from a plurality of devices in the short distance wireless network, the service repository software component having a uniform interface so that both a local application software component and a remote application software component identifies the plurality of available services; and

a plurality of service logical drivers corresponding to the plurality of available services that are used to obtain the plurality of services, the plurality of service logical drivers are used in obtaining the plurality of services.

56. A handheld device for providing a short distance wireless network, comprising:

a storage device;

means for identifying an availability of a plurality of services to a plurality of application software components in the short distance wireless network;

means for selectively providing the plurality of services to the plurality of application software components in the short distance wireless network; and

means for selectively transferring an Internet Protocol ("IP") data packet between a cellular network and a selected application software component in the plurality of application software components in the short distance wireless network;

The ‘033 Patent teaches towards a system and method for transmitting data to and from a network and end devices via an intermediary gateway device. FIG 1 is representative:

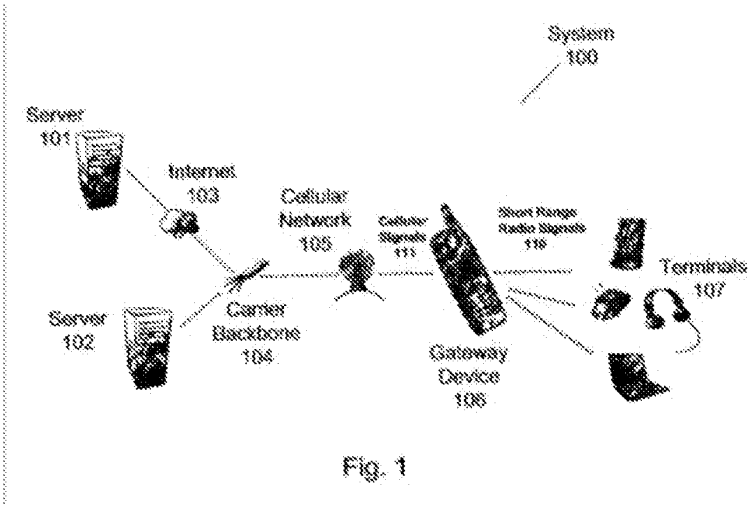

Fig. 1

First wireless devices (terminals 107) are provided means for accessing a data network such as Internet 103 over a cellular network 105 using gateway device 106. Gateway device 106 provides data communication over cellular network 105 and further short-range communication such as Bluetooth to the first wireless device(s) in order to form a personal area network (PAN). See, inter alia, col. 4 ll. 7-60 of the ‘033 Patent.

In the prosecution history of the '033 Patent, claims 48 and 56 were allowed after an amendment by Patent Owner in response to a Non-Final Rejection mailed 7/7/2004 and a Final Rejection mailed 5/25/2005, rejecting claims over the Karagiannis reference and US Pat 6,763,012 to Lord et al. In his amendment, the limitations “a service repository software component to identify a plurality of available services from a plurality of devices in the short distance wireless network, the service repository

software component having a uniform interface so that both a local application software component and a remote application software component identifies the plurality of available services: and a plurality of service logical drivers corresponding to the plurality of available services that are used to obtain the plurality of services, the plurality of service logical drivers are used in obtaining the plurality of services." was added to issued claim 48, and the limitation "means for identifying an availability of a plurality of services to a plurality of application software components in the short distance wireless network" was added to issued claim 56.

As these limitations led to issue of these claims, references that teach towards these limitations will be considered as non-cumulative and of interest in determining the existence of a substantial new question of patentability.

Marchand

Marchand discloses a system for providing an ad-hoc network using a portable device 33 acting as a gateway between a cellular 3G network and wireless devices over a short-range ad-hoc network. FIG 3 is representative:

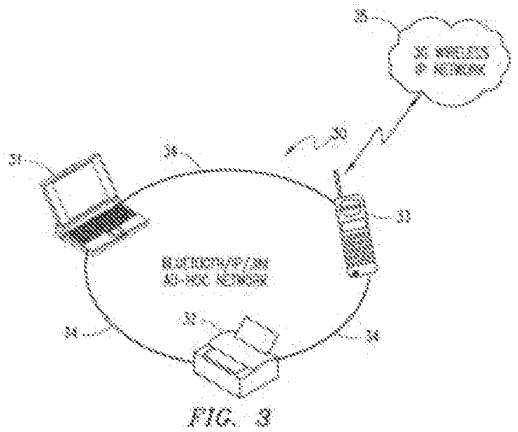

FIG. 3

Marchand discloses that the ad-hoc network can comprise a number of devices outside of the gateway, as shown above and further disclosed in p. 4 ll. 15-19 and p. 6 l. 23-p. 7 l. 25, and may utilize Bluetooth for the short-range wireless communication protocol between the ad-hoc devices and the gateway device. *Id.* The wireless ad-hoc devices may be a laptop computer or printer as shown above, or further other devices such as a personal digital assistant (PDA). *Id.* at p. 6 ll. 23-27 and p. 10 ll. 18-21. The gateway device routes packets to and from the 3G cellular network and the wireless piconet devices 31 and 32. *Id.* at p. 10 l. 31-p. 11 l. 16.

Marchand further discloses that the piconet devices are JINI/Java capable, which allows them to publish and share services between the devices on the piconet via a JINI

look-up service (LUS). This provides a list of available services that may be provided. *Id.* at p. 4 l. 21-col. 5 l. 6, p. 9 ll. 15-19, p. 10 ll. 12-18, p. 12 ll. 4-16 and p. 13 ll. 5-31. The gateway cellular device may provide cellular call services to piconet devices using Java/JINI via a call control API. *Id.* at p. 9 ll. 20-26, p. 11 l. 17-p. 12 l. 21. This is read as a service repository software which may identify an availability of a plurality of services to a components in the short distance wireless network

Nurmann

Nurmann teaches towards an IP gateway and a method of establishing a local IP network with several devices, managing routing of packets to and from said local network via the gateway. Nurmann at col. 1 ll. 9-12, col. 2 ll. 54-60, col. 3 ll. 26-46 and FIG 4:

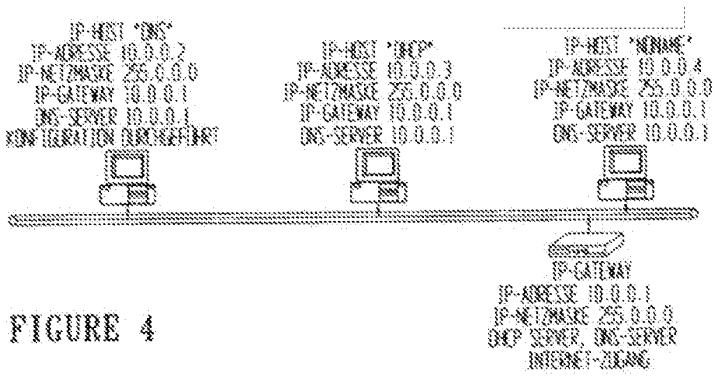

FIGURE 4

The gateway device operates as a DHCP server if it determines such is necessary in order to allocate IP addresses in the local network. *Id.* at col. 4 ll. 34-56.

Vilander

Vilander discloses methods for allocating IP addresses to mobile terminals in a cellular data network such as a 3G or UMTS network utilizing GPRS. Vilander at col. 1 ll. 33-59. Vilander further discloses a GPRS Switching Node acting as an Internet Access Server for a mobile device to access the Internet over the cellular data network, where the server allocates an IP address to the mobile device. *Id.*

Larsson

Larsson discloses a gateway device that can connect a public network to a private network. FIG 1 is representative:

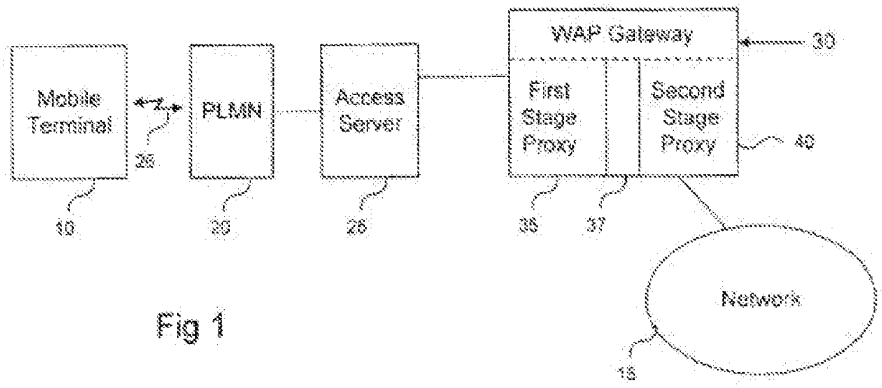

Fig 1

The private network may be a corporate or VPN, and the PLMN would necessarily include a mobile or cellular network. Larsson at col. 1 l. 67-col. 2 l. 1 and ll. 30-54. The gateway includes two proxies noted in FIG 1 above which provide public and

private network-end access and authentication for the mobile terminal 10. *Id.* at col. 2 ll. 8-15.

RFC 2543

RFC 2543 is a Request for Comments document published by XX. RFC 2543 discloses Internet standards regarding Session Initiation Protocol (SIP). SIP is an application-layer control (signaling) protocol for creating, modifying and terminating sessions including multimedia conferences and phone calls with one or more participants.

JINI

JINI discloses the JINI specification, regarding the operation of devices using JINI. In a JINI system, devices which wish to make various services available register the service with a LUS and provide a proxy object thereto for storing the object. The LUS may be queried by a client accessing a given service whereby the system provides the proxy object from the LUS so the client can then access the service. JINI at pp. 5-12. The LUS stores various attribute information about services that may be used to search for services by the client. *Id.* at pp. 9-11, 16-20, 73, 77-79 and 217-230.

V. SNQs Raised by the Request

Substantial New Question of Patentability

For "a substantial new question of patentability'" (SNQ) to be present, it is only necessary that:

A. The prior art patents and or printed publications raise a substantial question of patentability regarding at least one claim, i.e., the teaching of the prior art patents and printed publications is such that a reasonable examiner would consider the teaching to be important in deciding whether or not the claim is patentable; it is not necessary that the prior art establish a prima facie case of unpatentability; and

B. The same question of patentability as to the claim has not been decided by the Office in a previous examination or pending reexamination of the patent or in a final holding of invalidity by the Federal Courts in a decision on the merits involving the claim.

Marchand/Nurmann/Vilander

SNQ 1) Marchand in view of Nurmann and Vilander together raise a substantial new question of patentability as to claims 48 and 56.

As noted above, Marchand teaches a wireless gateway device for providing data communication to and from a cellular data network to and from a short-range wireless network comprising a plurality of short-range wireless devices using Bluetooth, and providing call services and transferring data packets.

In the above-noted Inter Partes Review proceeding before the Patent Trial and Appeal Board, the Board found that the Marchand reference's JINI LUS teaches a service repository software component to identify a service provided by a device on the short-range network, which reads on at least the "service repository software component" in issued claim 48. See the 6/19/2015 Petition for Inter Partes Review at 25-26 as well as the 12/21/2016 Final Written Decision at 4 and 15. The Board further found that the Marchand reference's teaching is of an application software component in a second wireless device that registers an availability of a service, which reads on claimed means for identifying an availability of a plurality of services to a plurality of application software components in the short distance wireless network in issued claim 56. See the 6/19/2015 Petition for Inter Partes Review at 31-32 as well as the 12/21/2016 Final Written Decision at 24-25.

Nurmann and Vilander further disclose allocating IP addresses in a system with a gateway device for routing IP packets therebetween.

Thus, and as further noted in pp. 25-28 and 36-37 of the Request (noting that the references in fact raise an SNQ towards claims 48 and 56), Marchand in view of Nurmann and Vilander disclose a similar system to issued claims 48 and 56 and further disclose more than the art of record in the prosecution history of issued claims 48 and 56 regarding limitations that led to issue of said claims. Marchand, Nurmann and Vilander thus would have been considered by a reasonable Examiner to be germane to patentability of said claims. Marchand, Nurmann and Vilander thus raise a substantial new question of patentability over said claims, which question has not been decided in a

previous examination of the Patent, nor considered in holding of invalidity by Federal Court.

As a substantial new question of patentability exists as to independent issued claim 48, it is further found by the examiner that, for at least the reasons set forth above, a substantial new question of patentability exists as to claims 49-55 dependent thereon.

> The decision to reexamine any claim for which reexamination has not been requested under 35 U.S.C. 302 lies within the sole discretion of the Office, to be exercised based on the individual facts and situation of each individual case. If the Office chooses to reexamine any claim for which reexamination has not been requested under 35 U.S.C. 302, it is permitted to do so.
>
> MPEP 2243, Claims Considered in Deciding Request

As to the amendment to claims 48 and 56, and further adding new claims 57-129 including new independent claims 65, 88, 104, 115, and 128, proposed by Patent Owner with the Request, the subsequent reexamination proceeding hereby ordered will be on the basis of the claims as amended, and all such amended claims as well as those dependent on amended claim 48 (that is, claims 48-129) will be reexamined in response to this Order. See MPEP 2221:

> The request should be decided on the wording of the patent claims in effect at that time (without any proposed amendments). The decision on the request will be made on the basis of the patent claims as though the proposed amendment had not been presented. However, if the request for reexamination is granted, all subsequent reexamination prosecution and examination should be on the basis of the claims as amended.
>
> MPEP 2221, Amendments Included in Request

A substantial new question of patentability is thus raised over issued claims 48-56. Claims 48-129 will be reexamined in response to this Request.

VI. Conclusion

Since requester did not request reexamination of claims 1-47 and did not assert the existence of a substantial new question of patentability (SNQ) for such claims (see 35 U.S.C. § 302); see also 37 CFR 1.510b and 1.515), such claims will not be reexamined. This matter was squarely addressed in *Sony Computer Entertainment America Inc., et al. v. Jon W. Dudas*, Civil Action No. 1:05CV1447 (E.D.Va. May 22, 2006), Slip Copy, 2006 WL 1472462. The District Court upheld the Office's discretion to not reexamine claims in a reexamination proceeding other than those claims for which reexamination had specifically been requested. The Court stated:

> To be sure, a party may seek, and the PTO may grant…review of each and every claim of a patent. Moreover, while the PTO in its discretion may review claims for which…review was not requested, nothing in the statute compels it to do so. To ensure that the PTO considers a claim for…review, § 311(b)(2) requires that the party seeking reexamination demonstrate why the PTO should reexamine each and every claim for which it seeks review. Here, it is undisputed that **Sony** did not seek review of every claim under the '213 and '333 patents. Accordingly, **Sony** cannot now claim that the PTO wrongly failed to reexamine claims for which **Sony** never requested review, and its argument that AIPA compels a contrary result is unpersuasive.

Extensions of time under 37 CFR 1.136(a) will not be permitted in these proceedings because the provisions of 37 CFR 1.136 apply only to "an applicant" and not to parties in a reexamination proceeding. Additionally, 35 U.S.C. 305 requires that reexamination proceedings "will be conducted with special dispatch" (37 CFR 1.550(a)). Extension of time in *ex parte* reexamination proceedings are provided for in 37 CFR 1.550(c).

The Patent Owner is reminded of the continuing responsibility under 37 CFR 1.565(a), to apprise the Office of any litigation activity, or other prior or concurrent proceeding, involving the instant '033 Patent throughout the course of this reexamination proceeding.

All correspondence relating to this *ex parte* reexamination proceeding should be directed:

By Mail to: Mail Stop *Ex Parte* Reexam
Central Reexamination Unit
Commissioner for Patents
United States Patent & Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

By FAX to: (571) 273-9900
Central Reexamination Unit

By hand: Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Registered users of EFS-Web may alternatively submit such correspondence via the electronic filing system EFS-Web, at https://efs.uspto.gov/efile/myportal/efs-registered.

EFS-Web offers the benefit of quick submission to the particular area of the Office that needs to act on the correspondence. Also, EFS-Web submissions are "soft scanned" (i.e., electronically uploaded) directly into the official file for the reexamination proceeding, which offers parties the opportunity to review the content of their submissions after the "soft scanning" process is complete.

Any inquiry concerning this communication should be directed to the Central Reexamination Unit at telephone number (571) 272-7705.

Signed:

/Charles Craver/
Charles Craver
Primary Examiner
Central Reexamination Unit 3992
(571) 272-7849

Conferees: /Joseph R. Pokrzywa/
Primary Examiner, CRU 3992

/Woo H. Choi/
SPRS, CRU 3992

Order Granting Request For Ex Parte Reexamination	**Control No.** 90/013,925	**Patent Under Reexamination** 7039033
	Examiner CHARLES CRAVER	**Art Unit** 3992

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

The request for *ex parte* reexamination filed *24 March 2017* has been considered and a determination has been made. An identification of the claims, the references relied upon, and the rationale supporting the determination are attached.

Attachments: a)☐ PTO-892, b)☒ PTO/SB/08, c)☒ Other: *DETAILED ACTION*

1. ☒ The request for *ex parte* reexamination is GRANTED.

RESPONSE TIMES ARE SET AS FOLLOWS:

For Patent Owner's Statement (Optional): TWO MONTHS from the mailing date of this communication (37 CFR 1.530 (b)). **EXTENSIONS OF TIME ARE GOVERNED BY 37 CFR 1.550(c).**

For Requester's Reply (optional): TWO MONTHS from the **date of service** of any timely filed Patent Owner's Statement (37 CFR 1.535). **NO EXTENSION OF THIS TIME PERIOD IS PERMITTED.** If Patent Owner does not file a timely statement under 37 CFR 1.530(b), then no reply by requester is permitted.

/CHARLES CRAVER/ Primary Examiner, Art Unit 3992		

cc:Requester (if third party requester)

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (03-15)
Approved for use through 07/31/2016. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	
Filing Date	
First Named Inventor	Amit HALLER
Art Unit	N/A
Examiner Name	N/A
Attorney Docket Number	0909-010

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	6560642	B1	2003-05-06	Nurmann	
	2	6771635	B1	2004-08-03	Vilander et al.	
	3	6836474	B1	2004-12-28	Larsson et al.	

If you wish to add additional U.S. Patent citation information please click the Add button. Add

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Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] i	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1	2001076154	WO	A2	2001-10-11	Marchand		

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.R.C/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	
	Filing Date	
	First Named Inventor	Amit HALLER
	Art Unit	N/A
	Examiner Name	N/A
	Attorney Docket Number	0909-010

If you wish to add additional Foreign Patent Document citation information please click the Add button [Add]

NON-PATENT LITERATURE DOCUMENTS [Remove]

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]
	1	Handley et al., "RFC 2543, SIP: Session Initiation Protocol," Network Working Group, Request for Comments: 2543, Standards Track, The Internet Society, March 1999.	
	2	K. Arnold et al., "The JINI™ Specification," Addison-Wesley, June 1, 1999.	

If you wish to add additional non-patent literature document citation information please click the Add button [Add]

EXAMINER SIGNATURE

Examiner Signature	/CHARLES R CRAVER/	Date Considered	05/11/2017

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. [2] Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). [3] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [4] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [5] Applicant is to place a check mark here if English language translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /C.R.C/

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	
	Filing Date	
	First Named Inventor	Amit HALLER
	Art Unit	N/A
	Examiner Name	N/A
	Attorney Docket Number	0909-010

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Peter G Korytnyk/	Date (YYYY-MM-DD)	2017-03-24
Name/Print	Peter G Korytnyk	Registration Number	43400

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these record s.

2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.

3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.

4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).

5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.

6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).

7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.

8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Reexamination	**Application/Control No.** 90013925	**Applicant(s)/Patent Under Reexamination** 7039033
	Certificate Date	**Certificate Number** C1

Requester Correspondence Address: ☒ **Patent Owner** ☐ **Third Party**
PK PATENT LAW 213 S. Payne Street Alexandria, VA 22314

LITIGATION REVIEW ☒	cc (examiner initials)	05/11/2017 (date)
Case Name		Director Initials
IXI Mobile (R&D) Ltd., et al v. Samsung Electronics Co		
IXI Mobile (R&D) Ltd., et al v. Blackberry Limited et al,		
IXI Mobile (R&D) Ltd., et al v. Apple Inc. , US Dist C		

COPENDING OFFICE PROCEEDINGS	
TYPE OF PROCEEDING	**NUMBER**
1. Inter Partes Review	IPR2015-01444

	/CHARLES CRAVER/ Primary Examiner.Art Unit 3992

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	90013925	7039033
	Examiner	Art Unit
	CHARLES CRAVER	3992

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

SEARCH NOTES		
Search Notes	Date	Examiner
updated file hist search	5/5/2017	cc
PTAB search/IPR	5/5/2017	cc

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

	/CHARLES CRAVER/ Primary Examiner.Art Unit 3992

Litigation Search Report OCRU

Serial No. 90/013,925

To: CRAVER, Charles Location: Central Reexam Unit Art Unit: 3992 Date: 5/16/17 Case Serial Number: 90/013,925	From: Monica A. Graves Location: OCRU, MDW 4B31 Phone: (571) 272-7253 monica.graves@uspto.gov

Search Notes

Litigation search for U.S. Patent Number **– 7,039,033**

Litigation Found

1) I performed a KeyCite Search in Westlaw, which retrieves all history on the patent including any litigation.

2) I performed a search on the patent in Lexis CourtLink for any open dockets or closed cases.

3) I performed a search in Lexis in the Federal Courts and Administrative Materials databases for any cases found.

4) I performed a search in Lexis in the IP Journal and Periodicals database for any articles on the patent.

5) I performed a search in Lexis in the news databases for any articles about the patent or any articles about litigation on this patent.

Citing References (71)

Treatment	Title	Date	Type	Depth	Headnote(s)
Examined by	**1. IXI IP, LLC's Patent Owner Response** Out Of Plan SAMSUNG ELECTRONICS CO., LTD., Samsung Electronics America, Inc., and Apple Inc., Petitioner, v. IXI IP, LLC, Patent Owner. 2016 WL 1381276, *1+ , Patent Tr. & App. Bd. (Administrative Filing) , (NO. IPR2015-01444)	Apr. 06, 2016	Administrative Filing		—
Examined by	**2. Petition for Inter Partes Review of United States Patent No. 7,039,033 Pursuant to 35 U.S.C. ss 311-319, 37 C.F.R. s 42** Out Of Plan In re Patent of: Haller et al. 2015 WL 3819839, *1+ , Patent Tr. & App. Bd. (Administrative Filing) , (NO. IPR2015-01444)	June 19, 2015	Administrative Filing		—
Examined by	**3. Complaint for Patent Infringement** Out Of Plan IXI MOBILE (R&D) LTD. and IXI IP, LLC, Plaintiffs, v. APPLE, INC., Defendant. 2014 WL 10294404, *1+ , N.D.Cal. (Trial Pleading) , (NO. 14-CV-07954-UA) ... under the patent laws of the U.S. (35 U.S.C. § 100 et seq.) based upon Apple's infringement of U.S. Patent Nos. 7,295,532 7,426,398 7,016,648, and 7,039,033 THE PARTIES 2. IXI Mobile (R&D) Ltd. ("IXI"; formerly known as IXI Mobile (Israel) Ltd.) is a company incorporated and registered under the laws ...	Oct. 02, 2014	Petition		—
Examined by	**4. Complaint and Jury Demand** Out Of Plan IXI MOBILE (R&D) LTD. and IXI IP, LLC, Plaintiffs, v. APPLE, INC., Defendant. 2014 WL 10726517, *1+ , N.D.Cal. (Trial Pleading) , (NO. 14-CV-07954-UA , 15CV03755) ... under the patent laws of the U.S. (35 U.S.C. § 100 et seq. based upon Apple's infringement of U.S. Patent Nos. 7,295,532 7,426,398 7,016,648, and 7,039,033 THE PARTIES 2. IXI Mobile (R&D) Ltd. ("IXI"; formerly known as IXI Mobile (Israel) Ltd.) is a company incorporated and registered under the laws ...	Oct. 02, 2014	Petition		—
Examined by	**5. Answer, Affirmative Defenses, and Counterclaims** Out Of Plan IXI MOBILE (R&D) LTD. et al, v. SAMSUNG ELECTRONICS CO., LTD. et al. 2014 WL 10412998, *1+ , N.D.Cal. (Trial Pleading) , (NO. 3:15CV03752) ... 14 of the Complaint.THE PATENTS-IN-SUIT 15. Samsung admits that the Complaint alleges infringement of U.S. Patent No. 7,295,532 U.S. Patent No. 7,426,398 U.S. Patent No. 7,039,033 , and U.S. Patent No. 7,016,648 A. Samsung admits that United States Patent No. 7,295,532 ("the '532 patent") was issued by the United ...	Sep. 26, 2014	Petition		—

Treatment	Title	Date	Type	Depth	Headnote(s)
Examined by	**6. Complaint and Jury Demand** Out Of Pleo IXI MOBILE (R&D) LTD. and IXI IP, LLC, Plaintiffs, v. APPLE, INC., Defendant. 2014 WL 5241861, *1+ , S.D.N.Y. (Trial Pleading) , (NO. 14 CV 7954) ... under the patent laws of the U.S. (35 U.S.C. § 100 et seq.) based upon Apple's infringement of U.S. Patent Nos. 7,295,532 7,426,398 7,016,648, and 7,039,033 THE PARTIES 2. IXI Mobile (R&D) Ltd. ("IXI"; formerly known as IXI Mobile (Israel) Ltd.) is a company incorporated and registered under the laws ...	Oct. 02, 2014	Petition		—
Examined by	**7. Answer, Affirmative Defenses, and Counterclaims** Out Of Pleo IXI MOBILE (R&D) LTD. and IXI IP, LLC, Plaintiffs, v. SAMSUNG ELECTRONICS CO., LTD., Samsung Electronics America, Inc., and Samsung Telecommunications... 2014 WL 10679569, *1+ , S.D.N.Y. (Trial Pleading) , (NO. 14-CV-4355-RJS-DF) ... 14 of the Complaint.THE PATENTS-IN-SUIT 15. Samsung admits that the Complaint alleges infringement of U.S. Patent No. 7,295,532 U.S. Patent No. 7,426,398 U.S. Patent No. 7,039,033 , and U.S. Patent No. 7,016,648 A. Samsung admits that United States Patent No. 7,295,532 ("the '532 patent") was issued by the United ...	Sep. 26, 2014	Petition		—
Examined by	**8. Complaint and Jury Demand** Out Of Pleo IXI MOBILE (R&D) LTD., and IXI IP, LLC, Plaintiffs, v. BLACKBERRY LIMITED and Blackberry Corporation, Defendants. 2014 WL 2776332, *1+ , S.D.N.Y. (Trial Pleading) , (NO. 14 CV 4428) ... Patent No. 7,295,532 ("the '532 Patent"), which issued on November 13,2007;B. U.S. Patent No. 7,426,398 ("the '398 Patent"), which issued on September 16,2008;C. U.S. Patent No. 7,039,033 ("the '033 Patent "), which issued on May 2, 2006; and D. U.S. Patent No. 7,016,648 ("the '648 Patent"), which issued on March ...	June 18, 2014	Petition		—
Examined by	**9. Complaint for Patent Infringement** Out Of Pleo IXI MOBILE (R&D) LTD. and IXI IP, LLC, Plaintiffs, v. SAMSUNG ELECTRONICS CO., LTD, Samsung Electronics America, Inc. and Samsung Telecommunications A... 2014 WL 2739390, *1+ , S.D.N.Y. (Trial Pleading) , (NO. 14 CV 4355) ... 7,295,532 ("the '532 Patent"), which issued on November 13, 2007;B. U.S. Patent No. 7,426,398 ("the '398 Patent"), which issued on September 16, 2008;C. U.S. Patent No. 7,039,033 ("the '033 Patent "), which issued on May 2, 2006; and D. U.S. Patent No. 7,016,648 ("the '648 Patent"), which issued on March ...	June 17, 2014	Petition		—

Treatment	Title	Date	Type	Depth	Headnote(s)
Examined by	**10. Declaration of Joel R. Williams in Support of Plaintiffs' Opening Claim Construction Brief** Out Of Plan IXI MOBILE (R&D) LTD. et al, v. SAMSUNG ELECTRONICS CO., LTD. et al. 2015 WL 10569454, *1+ , N.D.Cal. (Expert Report and Affidavit) , (NO. 315CV03752) ... Plaintiffs IXI IP, LLC and IXI Mobile (R&D), Ltd. (collectively, "IXI") setting forth my opinions as to the construction of particular claim terms of U.S. Patent No. 7,039,033 2. I am being compensated for my time spent analyzing these patents. My compensation is not contingent on the substance of the ...	July 08, 2015	Expert Materials		—
Examined by	**11. Declaration of Joel R. Williams in Support of Plaintiffs' Opening Claim Construction Brief** Out Of Plan IXI MOBILE LTD., v. APPLE INC. 2015 WL 10569455, *1+ , N.D.Cal. (Expert Report and Affidavit) , (NO. 415CV03755) ... Plaintiffs IXI IP, LLC and IXI Mobile (R&D), Ltd. (collectively, "IXI") setting forth my opinions as to the construction of particular claim terms of U.S. Patent No. 7,039,033 2. I am being compensated for my time spent analyzing these patents. My compensation is not contingent on the substance of the ...	July 08, 2015	Expert Materials		—
Examined by	**12. Declaration of Joel R. Williams in Support of Plaintiffs' Opening Claim Construction Brief** Out Of Plan IXI MOBILE (R&D) LTD. et al, v. BLACKBERRY LIMITED et al. 2015 WL 5446063, *1+ , N.D.Cal. (Trial Motion, Memorandum and Affidavit) , (NO. 3:15CV03754) ... Plaintiffs IXI IP, LLC and IXI Mobile (R&D), Ltd. (collectively, "IXI") setting forth my opinions as to the construction of particular claim terms of U.S. Patent No. 7,039,033 2. I am being compensated for my time spent analyzing these patents. My compensation is not contingent on the substance of the ...	July 08, 2015	Motion		—
Examined by	**13. Plaintiffs' Opening Claim Construction Brief** Out Of Plan IXI MOBILE (R&D) LTD. et al, v. BLACKBERRY LIMITED et al. 2015 WL 5446081, *1+ , N.D.Cal. (Trial Motion, Memorandum and Affidavit) , (NO. 3:15CV03754) ... solution. In the early 2000s, IXI licensed various aspects of its PMG solution to industry leaders, including Defendant Samsung.FN1. The Patents-in-Suit are U.S. Patent No. 7,039,033 U.S. Patent No. 7,295,532, and U.S. Patent No. 7,016,648 A. The Inventions Described and Claimed in the '033 Patent The ' 033 Patent ...	July 08, 2015	Motion		—

Treatment	Title	Date	Type	Depth	Headnote(s)
Examined by	**14. Plaintiffs' Opening Claim Construction Brief** Out Of Plan IXI MOBILE (R&D) LTD. et al, v. APPLE, INC. 2015 WL 5446087, *1+ , N.D.Cal. (Trial Motion, Memorandum and Affidavit) , (NO. 4:15CV03755) ... solution. In the early 2000s, IXI licensed various aspects of its PMG solution to industry leaders, including Defendant Samsung.FN1. The Patents-in-Suit are U.S. Patent No. 7,039,033 U.S. Patent No. 7,295,532, and U.S. Patent No. 7,016,648 A. The Inventions Described and Claimed in the '033 Patent The ' 033 Patent ...	July 08, 2015	Motion		—
Examined by	**15. Plaintiffs' Opening Claim Construction Brief** Out Of Plan IXI MOBILE (R&D) LTD. et al, v. APPLE, INC. 2015 WL 10460070, *1+ , N.D.Cal. (Trial Motion, Memorandum and Affidavit) , (NO. 3:15CV03755) ... solution. In the early 2000s, IXI licensed various aspects of its PMG solution to industry leaders, including Defendant Samsung.FN1. The Patents-in-Suit are U.S. Patent No. 7,039,033 U.S. Patent No. 7,295,532, and U.S. Patent No. 7,016,648 A. The Inventions Described and Claimed in the '033 Patent The ' 033 Patent ...	July 08, 2015	Motion		—
Examined by	**16. Plaintiffs' Opening Claim Construction Brief** Out Of Plan IXI MOBILE (R&D) LTD. et al, v. SAMSUNG ELECTRONICS CO., Ltd. et al. 2015 WL 10460134, *1+ , N.D.Cal. (Trial Motion, Memorandum and Affidavit) , (NO. 3:15CV03752) ... solution. In the early 2000s, IXI licensed various aspects of its PMG solution to industry leaders, including Defendant Samsung.FN1. The Patents-in-Suit are U.S. Patent No. 7,039,033 U.S. Patent No. 7,295,532, and U.S. Patent No. 7,016,648 A. The Inventions Described and Claimed in the '033 Patent The ' 033 Patent ...	July 08, 2015	Motion		—
Examined by	**17. Plaintiffs' Opening Claim Construction Brief** Out Of Plan IXI MOBILE (R&D) LTD., et al., Plaintiffs, v. SAMSUNG ELECTRONICS CO., et al., Defendants. IXI Mobile (R&D) Ltd., et al., Plaintiffs, v. Blackberry Lt... 2015 WL 4537825, *1+ , S.D.N.Y. (Trial Motion, Memorandum and Affidavit) , (NO. 14-CV-4355 RJS , 14-CV-4428 RJS , 14-CV-7954 RJS) ... solution. In the early 2000s, IXI licensed various aspects of its PMG solution to industry leaders, including Defendant Samsung.FN1. The Patents-in-Suit are U.S. Patent No. 7,039,033 U.S. Patent No. 7,295,532, and U.S. Patent No. 7,016,648 A. The Inventions Described and Claimed in the '033 Patent The ' 033 Patent ...	July 08, 2015	Motion		—

Treatment	Title	Date	Type	Depth	Headnote(s)
Examined by	**18. Plaintiffs' Opening Claim Construction Brief** Out Of Plan IXI MOBILE (R&D) LTD., et al., Plaintiffs, v. SAMSUNG ELECTRONICS CO., et al., Defendants. Ixi Mobile (R&D) Ltd., et al., Plaintiffs, v. Blackberry Lt... 2015 WL 7004195, *1+ , S.D.N.Y. (Trial Motion, Memorandum and Affidavit) , (NO. 14-CV-4355 RJS , 14-CV-4428 RJS , 14-CV-7954 RJS) ... solution. In the early 2000s, IXI licensed various aspects of its PMG solution to industry leaders, including Defendant Samsung.FN1. The Patents-in-Suit are U.S. Patent No. 7,039,033 U.S. Patent No. 7,295,532, and U.S. Patent No. 7,016,648 A. The Inventions Described and Claimed in the '033 Patent The ' 033 Patent ...	July 08, 2015	Motion		----
Examined by	**19. Plaintiffs' Opening Claim Construction Brief** Out Of Plan IXI MOBILE (R&D) LTD., et al., Plaintiffs, v. SAMSUNG ELECTRONICS CO., et al., Defendants. IXI Mobile (R&D) Ltd., et al., Plaintiffs, v. Blackberry Lt... 2015 WL 7004216, *1+ , S.D.N.Y. (Trial Motion, Memorandum and Affidavit) , (NO. 14-CV-4355 RJS , 14-CV-4428 RJS , 14-CV-7954 RJS) ... solution. In the early 2000s, IXI licensed various aspects of its PMG solution to industry leaders, including Defendant Samsung.FN1. The Patents-in-Suit are U.S. Patent No. 7,039,033 U.S. Patent No. 7,295,532, and U.S. Patent No. 7,016,648 A. The Inventions Described and Claimed in the '033 Patent The ' 033 Patent ...	July 08, 2015	Motion		----
Discussed by	**20. Answer of Defendants Blackberry Limited and Blackberry Corporation** Out Of Plan IXI MOBILE (R&D) LTD. et al, v. BLACKBERRY LIMITED et al. 2014 WL 10413007, *1+ , N.D.Cal. (Trial Pleading) , (NO. 3:15CV03754) ... admit that United States Patent No. 7,426,398 (the "'398 Patent") states on its face that it was issued on September 16, 2008. Defendants admit that United States Patent No. 7,039,033 (the "'033 Patent ") states on its face that it was issued on May 2, 2006. Defendants admit that United States Patent ...	Sep. 26, 2014	Petition		----

Treatment	Title	Date	Type	Depth	Headnote(s)
Discussed by	**21. Answer of Defendants Blackberry Limited and Blackberry Corporation** Out Of Pan IXI MOBILE (R&D) LTD. and IXI IP, LLC, Plaintiffs, v. BLACKBERRY LIMITED AND BLACKBERRY CORPORATION, Defendants. 2014 WL 8727130, *1+ , S.D.N.Y. (Trial Pleading) , (NO. 14CV4428RJSDF) ... admit that United States Patent No. 7,426,398 (the "'398 Patent") states on its face that it was issued on September 16, 2008. Defendants admit that United States Patent No. 7,039,033 (the "'033 Patent ") states on its face that it was issued on May 2, 2006. Defendants admit that United States Patent ...	Sep. 26, 2014	Petition		---
Cited by	**22. Defendants' Motion to Dismiss for Lack of Personal Jurisdiction or, in the Alternative, Transfer Venue** Out Of Pan GOOGLE INC., Plaintiff, v. IXI MOBILE (R&D), LTD., and IXI IP, LLC, Defendants. 2016 WL 7404290, *1 , N.D.Cal. (Trial Motion, Memorandum and Affidavit) , (NO. 5:16-CV-04173-LHK) ... jurisdiction analysis.[FN8]FN7. The referenced cases against Blackberry (3:2015-CV-03754), Samsung (3:2015-CV-03752) and Apple (3:2015-CV-03755) involved United States Patent Nos. 7,039,033 7,295,532 and 7,016,648 The referenced cases against LG (3:2015-CV-05442) and Lenovo (3:2015-CV-05439) involved United States ...	Aug. 29, 2016	Motion		---
Cited by	**23. Defendants' Motion to Stay Pending Inter Partes Review** Out Of Pan IXI MOBILE (R&D) LTD. and IXI IP, LLC, Plaintiffs, v. APPLE INC., Defendant. IXI Mobile (R&D) Ltd. and IXI IP, LLC, Plaintiffs, v. Samsung Electronics... 2015 WL 10460088, *1 , N.D.Cal. (Trial Motion, Memorandum and Affidavit) , (NO. 15-CV-03752-HSG , 15-CV-03754-HSG , 15-CV-03755-HSG) ... sought is a stay of this entire action pending inter partes review of U.S. Patent Nos. 7,295,532 (the "'532 Patent")7,016,648 (the "'648 Patent"), and 7,039,033 (the "'033 Patent ") (collectively, the "patents-in-suit") at the United States Patent & Trademark Office Patent Trial and Appeal Board ("PTAB"), and the issue to ...	Oct. 01, 2015	Motion		---

Treatment	Title	Date	Type	Depth	Headnote(s)
Cited by	**24. Defendants' Motion to Stay Pending Inter Partes Review** Out Of Pen IXI MOBILE (R&D) LTD. and IXI IP, LLC, Plaintiffs, v. APPLE INC., Defendant. IXI Mobile (R&D) Ltd. and IXI IP, LLC, Plaintiffs, v. Samsung Electronics... 2015 WL 10460089, *1 , N.D.Cal. (Trial Motion, Memorandum and Affidavit) , (NO. 15-CV-03752-HSG , 15-CV-03754-HSG , 15-CV-03755-HSG) ... sought is a stay of this entire action pending inter partes review of U.S. Patent Nos. 7,295,532 (the "'532 Patent")7,016,648 (the "'648 Patent"), and 7,039,033 (the "'033 Patent ") (collectively, the "patents-in-suit") at the United States Patent & Trademark Office Patent Trial and Appeal Board ("PTAB"), and the issue to ...	Oct. 01, 2015	Motion		—
Cited by	**25. Defendants' Motion to Stay Pending Inter Partes Review** Out Of Pen IXI MOBILE (R&D) LTD. and IXI IP, LLC, Plaintiffs, v. APPLE INC., Defendant. IXI Mobile (R&D) Ltd. and IXI IP, LLC, Plaintiffs, v. Samsung Electronics... 2015 WL 10460149, *1 , N.D.Cal. (Trial Motion, Memorandum and Affidavit) , (NO. 15-CV-03752-HSG , 15-CV-03754-HSG , 15-CV-03755-HSG) ... sought is a stay of this entire action pending inter partes review of U.S. Patent Nos. 7,295,532 (the "'532 Patent")7,016,648 (the "'648 Patent"), and 7,039,033 (the "'033 Patent ") (collectively, the "patents-in-suit") at the United States Patent & Trademark Office Patent Trial and Appeal Board ("PTAB"), and the issue to ...	Oct. 01, 2015	Motion		—
Mentioned by	**26. System, device and computer readable medium for providing networking services on a mobile device** LitAlert P2015-34-53 ... Date: 08/17/2015 Subsequent Action: 08/17/2015 Action Taken: CAUSE - 35 USC 145 - COMPLAINT FOR PATENT INFRINGEMENT Notes: none Other Patents: US 7426398 US 7039033 US 7016648 US 8533263 US 8626065 US 8630635 US 8610659 Other Trademarks: none See LitAlert No: none ...	Aug. 17, 2015	Lit Alert		—
Mentioned by	**27. System, device and computer readable medium for providing networking services on a mobile device** LitAlert P2015-34-69 ... 17/2015 Subsequent Action: 08/17/2015 Action Taken: CAUSE - 28 USC 1331 - COMPLAINT FOR PATENT INFRINGEMENT Notes: none Other Patents: US 7426398 US 7016648 US 7039033 Other Trademarks: none See LitAlert No: none ...	Aug. 17, 2015	Lit Alert		—

Treatment	Title	Date	Type	Depth	Headnote(s)
Mentioned by	**28. System, device and computer readable medium for providing networking services on a mobile device** LitAlert P2015-35-03 ... Date: 08/17/2015 Subsequent Action: 08/17/2015 Action Taken: CAUSE - 35 USC 145 - COMPLAINT FOR PATENT INFRINGEMENT Notes: none Other Patents: US 7426398 US 7039033 US 7016648 Other Trademarks: none See LitAlert No: none ...	Aug. 17, 2015	Lit Alert		----
Mentioned by	**29. System, device and computer readable medium for providing networking services on a mobile device** LitAlert P2015-38-03 ... 17/2015 Subsequent Action: 08/17/2015 Action Taken: CAUSE - 28 USC 1331 - COMPLAINT FOR PATENT INFRINGEMENT Notes: none Other Patents: US 7426398 US 7016648 US 7039033 Other Trademarks: none See LitAlert No: none ...	Aug. 17, 2015	Lit Alert		----
Mentioned by	**30. System, device and computer readable medium for providing networking services on a mobile device** LitAlert P2015-43-08 ... Date: 08/17/2015 Subsequent Action: 08/17/2015 Action Taken: CAUSE - 35 USC 145 - COMPLAINT FOR PATENT INFRINGEMENT Notes: none Other Patents: US 7426398 US 7039033 US 7016648 Other Trademarks: none See LitAlert No: none ...	Aug. 17, 2015	Lit Alert		----
Mentioned by	**31. System, device and computer readable medium for providing networking services on a mobile device** LitAlert P2014-41-60 ... 02/2014 Subsequent Action: 10/02/2014 Action Taken: CAUSE - 28 USC 1331 - COMPLAINT FOR PATENT INFRINGEMENT Notes: none Other Patents: US 7426398 US 7016648 US 7039033 Other Trademarks: none See LitAlert No: none ...	Oct. 02, 2014	Lit Alert		----
Mentioned by	**32. System, device and computer readable medium for providing networking services on a mobile device** LitAlert P2014-29-32 ... Date: 06/18/2014 Subsequent Action: 06/18/2014 Action Taken: CAUSE - 35 USC 145 - COMPLAINT FOR PATENT INFRINGEMENT Notes: none Other Patents: US 7426398 US 7039033 US 7016648 US 8533263 US 8626065 US 8630635 US 8610659 Other Trademarks: none See LitAlert No: none ...	June 18, 2014	Lit Alert		----

Treatment	Title	Date	Type	Depth	Headnote(s)
Mentioned by	**33. Joint Case Management Statement** Out Of Pen. IXI MOBILE (R&D) LTD. and IXI IP, LLC, Plaintiffs, v. SAMSUNG ELECTRONICS CO., et al., Defendants. IXI MOBILE (R&D) LTD. and IXI IP, LLC, Plaintiffs, ... 2015 WL 9851330, *1 , N.D.Cal. (Trial Filing) , (NO. 3:15-CV-03752-HSG , 3:15-CV-03754-HSG , 4:15-CV-03755-HSG) ... the docket in the IXI v. Samsung case.2. Facts:This is a patent case, involving infringement assertions by IXI under U.S. Patent Nos. 7,016,648 7,039,033 ; and 7,295,532 (collectively the "Patents-in-Suit"); against products made by Samsung, BlackBerry, and Apple.IXI filed complaints against Samsung on June 17, 2014, BlackBerry ...	Oct. 29, 2015	Filing		----
Mentioned by	**34. Joint Case Management Statement** Out Of Pen. IXI MOBILE (R&D) Ltd. and IXI IP, LLC, Plaintiffs, v. SAMSUNG ELECTRONICS Co., et al., Defendants. IXI Mobile (R&D) Ltd. and IXI IP, LLC, Plaintiffs, ... 2015 WL 11181422, *1 , N.D.Cal. (Trial Filing) , (NO. 315CV03754HSGRELATED , 3:15-CV-03752-HSG , 415CV03755HSGRELATED) ... the docket in the IXI v. Samsung case.2. Facts:This is a patent case, involving infringement assertions by IXI under U.S. Patent Nos. 7,016,648 7,039,033 ; and 7,295,532 (collectively the "Patents-in-Suit"); against products made by Samsung, BlackBerry, and Apple.IXI filed complaints against Samsung on June 17, 2014, BlackBerry ...	Oct. 29, 2015	Filing		----
Mentioned by	**35. Joint Case Management Statement** Out Of Pen. IXI MOBILE (R&D) LTD. and IXI IP, LLC, Plaintiffs, v. SAMSUNG ELECTRONICS CO., et al., Defendants. IXI Mobile (R&D) Ltd. and IXI IP, LLC, Plaintiffs, ... 2015 WL 13034667, *1 , N.D.Cal. (Trial Filing) , (NO. 3:15-CV-03752-HSG , 3:15-CV-03754-HSG , 4:15-CV-03755-HSG) ... the docket in the IXI v. Samsung case.2. Facts:This is a patent case, involving infringement assertions by IXI under U.S. Patent Nos. 7,016,648 7,039,033 ; and 7,295,532 (collectively the "Patents-in-Suit"); against products made by Samsung, BlackBerry, and Apple.IXI filed complaints against Samsung on June 17, 2014, BlackBerry ...	Oct. 29, 2015	Filing		----

Treatment	Title	Date	Type	Depth	Headnote(s)
—	**36. WIRELESS SYNCHRONIZATION MECHANISM** Out Of Plac US PAT 8457557 , U.S. PTO Utility A media delivery device that can automatically initiate and establish a secure wireless communication channel with an audio output device comprises a proximity module that... ... References Cited US Patents and Applications:US US 6424820 2002/07 Burdick US US 6938100 2005/08 Kang US US 7016334 2006/03 Cohen US US 7039033 2006/05 Haller US US 7142814 2006/11 Nassimi US US 7149551 2006/12 Kim US US 7155163 2006/12 Cannon US US 7187768 ...	June 04, 2013	Patents	—	—
—	**37. INTERNET ACCESS PROVISION SYSTEM HAS CELLULAR PHONE USING NETWORK MANAGER SOFTWARE COMPONENT TO ACCESS INTERNET IN RESPONSE TO SHORT-RANGE RADIO SIGNALS FROM WIRELESS DEVICE** Out Of Plac DWPI 2003-120122 ... H04Q-7/00 629 H04Q-7/00 653 H04Q-7/00 685 Page(s):75 Language:Japanese First Derwent Appearance:2005.18 Publication No. (Derwent): US 7039033 B2 Original Title (English):SYSTEM, DEVICE AND COMPUTER READABLE MEDIUM FOR PROVIDING A MANAGED WIRELESS NETWORK USING SHORT-RANGE RADIO SIGNALS Publication Date:2006 ...	May 07, 2001	DWPI	—	—
—	**38. WIRELESS HANDHELD DEVICE E.G. DESKTOP COMPUTER GENERATES SHORT-RANGE RADIO SIGNAL BASED ON STORED INSTRUCTIONS** Out Of Plac DWPI 2003-220051 ... 165150 2002-06-06 Application priority US 850399 2001-05-07 Application priority Earliest Priority Date:2001-05-07 Related:Continuation of US patent number US 7039033 B No. of Countries:1 No. of Patents:2 First Derwent Appearance:2003.21 Latest Derwent Appearance:2009.42 Classification Information International Classes (IPC ...	May 07, 2001	DWPI	—	—
—	**39. RF 033718/0687** Out Of Plac ... Date 2004-06-17 Title SYSTEM, DEVICE AND COMPUTER READABLE MEDIUM FOR PROVIDING A MANAGED WIRELESS NETWORK USING SHORT-RANGE RADIO SIGNALS Granted Patent Number US Pat. 7039033 Granted Patent Date 2006-05-02 Published Application Number US Pat. App. 20020163895 Published Application Date 2002-11-07 Application Number 09/850399 ...	Sep. 11, 2014	Assignments	—	—

Treatment	Title	Date	Type	Depth	Headnote(s)
—	**40. RF 033042/0985** Out Of Pkts. ... Date 2004-06-17 Title SYSTEM, DEVICE AND COMPUTER READABLE MEDIUM FOR PROVIDING A MANAGED WIRELESS NETWORK USING SHORT-RANGE RADIO SIGNALS Granted Patent Number US Pat. 7039033 Granted Patent Date 2006-05-02 Published Application Number US Pat. App. 20020163895 Published Application Date 2002-11-07 Application Number 09/850399 ...	June 05, 2014	Assignments	—	—
—	**41. RF 033098/0056** Out Of Pkts. ... Date 2004-06-17 Title SYSTEM, DEVICE AND COMPUTER READABLE MEDIUM FOR PROVIDING A MANAGED WIRELESS NETWORK USING SHORT-RANGE RADIO SIGNALS Granted Patent Number US Pat. 7039033 Granted Patent Date 2006-05-02 Published Application Number US Pat. App. 20020163895 Published Application Date 2002-11-07 Application Number 09/850399 ...	June 05, 2014	Assignments	—	—
—	**42. RF 032239/0078** Out Of Pkts. ... Date 2003-05-09 Title SYSTEM, DEVICE AND COMPUTER READABLE MEDIUM FOR PROVIDING A MANAGED WIRELESS NETWORK USING SHORT-RANGE RADIO SIGNALS Granted Patent Number US Pat. 7039033 Granted Patent Date 2006-05-02 Published Application Number US Pat. App. 20020163895 Published Application Date 2002-11-07 Application Number 09/850399 ...	Feb. 11, 2014	Assignments	—	—
—	**43. RF 028055/0575** Out Of Pkts. ... Date 2002-11-18 Title SYSTEM, DEVICE AND COMPUTER READABLE MEDIUM FOR PROVIDING A MANAGED WIRELESS NETWORK USING SHORT-RANGE RADIO SIGNALS Granted Patent Number US Pat. 7039033 Granted Patent Date 2006-05-02 Published Application Number US Pat. App. 20020163895 Published Application Date 2002-11-07 Application Number 09/850399 ...	Apr. 17, 2012	Assignments	—	—
—	**44. RF 017846/0872** Out Of Pkts. ... Date 2003-05-09 Title SYSTEM, DEVICE AND COMPUTER READABLE MEDIUM FOR PROVIDING A MANAGED WIRELESS NETWORK USING SHORT-RANGE RADIO SIGNALS Granted Patent Number US Pat. 7039033 Granted Patent Date 2006-05-02 Published Application Number US Pat. App. 20020163895 Published Application Date 2002-11-07 Application Number 09/850399 ...	June 29, 2006	Assignments	—	—

Treatment	Title	Date	Type	Depth	Headnote(s)
----	**45. RF 013273/0484** End Of Files ... 05-02 PATENTS AFFECTED Title SYSTEM, DEVICE AND COMPUTER READABLE MEDIUM FOR PROVIDING A MANAGED WIRELESS NETWORK USING SHORT-RANGE RADIO SIGNALS Granted Patent Number US Pat. 7039033 Granted Patent Date 2006-05-02 Published Application Number US Pat. App. 20020163895 Published Application Date 2002-11-07 Application Number 09/850399 ...	Sep. 13, 2002	Assignments	----	----
----	**46. PatStat 7039033** ... Patent Status File Patent Number: US 7039033 Change Code: IPR Description: AIA Trial Proceedings Filed before The Patent Trial and Appeal Board Reissue Number:OG Date: 07/28/2015 ...	July 28, 2015	Patent Status Files	----	----
----	**47. PatStat 7039033** ... Patent Status File Patent Number: US 7039033 Change Code: EXP Description: Expiration of Patent due to Failure to Pay Required Maintenance Fees Reissue Number:OG Date: 06/22/2010 ...	June 22, 2010	Patent Status Files	----	----
----	**48. PatStat 7039033** ... Patent Status File Patent Number: US 7039033 Change Code: DPF Description: Delayed Payment of Maintenance Fees Reissue Number:OG Date: 02/11/2010 ...	Feb. 11, 2010	Patent Status Files	----	----
----	**49. IXI MOBILE (R&D) LTD. ET AL v. BLACKBERRY LIMITED ET AL**	Aug. 17, 2015	Docket Summaries	----	----
----	**50. IXI MOBILE (R&D) LTD. ET AL v. APPLE, INC**	Aug. 17, 2015	Docket Summaries	----	----
----	**51. IXI MOBILE (R&D) LTD. ET AL v. SAMSUNG ELECTRONICS CO., LTD. ET AL**	Aug. 17, 2015	Docket Summaries	----	----
----	**52. IXI MOBILE (R&D) LTD. ET AL v. APPLE, INC**	Aug. 17, 2015	Docket Summaries	----	----
----	**53. IXI MOBILE (R&D) LTD. ET AL v. APPLE, INC**	Oct. 02, 2014	Docket Summaries	----	----
----	**54. IXI MOBILE (R&D) LTD. ET AL v. BLACKBERRY LIMITED ET AL**	June 18, 2014	Docket Summaries	----	----
----	**55. IXI MOBILE (R&D) LTD. ET AL v. SAMSUNG ELECTRONICS CO. ET AL**	June 17, 2014	Docket Summaries	----	----

Treatment	Title	Date	Type	Depth	Headnote(s)
----	**56. TRANSFERRING DATA OVER BLUETOOTH USING INTERMEDIARY BRIDGE** Out Of Plan US PAT 9641240 , U.S. PTO Utility In one or more embodiments, a first device such as a mobile phone can establish a wireless connection with second device, and the second device can act as a bridge between the... ... 26 H04W-8/005 H04W-8/20 H04W-12/08 H04W-84/18 Drawing Pages:5 Language:English References Cited US Patents and Applications:US US 7039033 2006/05 Haller et al.US US 7203505 2007/04 Larikka et al.US US 7532594 2009/05 Lin et al.US US 7577111 ...	May 02, 2017	Patents	----	----
----	**57. WIRELESS INTERNET SYSTEM AND METHOD** Out Of Plan US PAT 9609553 , U.S. PTO Utility A method, system, and apparatus, including a program encoded on computer-readable medium, for transmitting data to a server. A wireless communication connection is established... ... 01 Ogier et al.US US 6950628 2005/09 Meier US US 6954790 2005/10 Forslow US US 6977911 2005/12 Geen et al.US US 7039033 2006/05 Haller et al.US US 7130904 2006/10 Kitchin US US 7239865 2007/07 Dyck 380/247 US US 7346025 2008/03 ...	Mar. 28, 2017	Patents	----	----
----	**58. SERVICE PROVISIONING THROUGH A SMART PERSONAL GATEWAY DEVICE** Out Of Plan US PAT 9503835 , U.S. PTO Utility Embodiments include a smart personal gateway device (SPGD) that augments the capabilities of smart personal devices (SPDs) connected in a personal area network (PAN). The SPGD... ... 04 H04W-4/008 H04W-84/10 H04W-84/18 H04W-88/16 Drawing Pages:7 Language:English References Cited US Patents and Applications:US US 7039033 2006/05 Haller et al.US US 2002/0199061 2002/12 Friedman US US 2003/0229900 2003/12 Reisman 725/087 US US 2004 ...	Nov. 22, 2016	Patents	----	----
----	**59. ASSOCIATED DEVICE DISCOVERY IN IMS NETWORKS** Out Of Plan US PAT 9468033 , U.S. PTO Utility A method of associating multiple user endpoints (UEs) with a single IMS session in an IMS network having a serving node for controlling at least one IMS session for a user and at... ... US US 6857021 2005/02 Schuster et al.US US 6888828 2005/05 Partanen et al.US US 6950655 2005/09 Hunkeler et al.US US 7039033 2006/05 Haller et al.370/338 US US 7299049 2007/11 Jagadeesan US US 7301938 2007/11 Ejzak US US 7353021 2008/04 ...	Oct. 11, 2016	Patents	----	----

Treatment	Title	Date	Type	Depth	Headnote(s)
—	**60. TRANSFERRING DATA OVER BLUETOOTH USING INTERMEDIARY BRIDGE** Out Of Plan US PAT 9100828 , U.S. PTO Utility In one or more embodiments, a first device such as a mobile phone can establish a wireless connection with second device, and the second device can act as a bridge between the... ... 455/411 455/412 455/418 455/419 455/420 455/550.1 Drawing Pages:5 Language:English References Cited US Patents and Applications:US US 7039033 2006/05 Haller et al.US US 7203505 2007/04 Larikka et al.US US 7532594 2009/05 Lin et al.US US 7577111 ...	Aug. 04, 2015	Patents	—	—
—	**61. METHOD AND SYSTEM FOR COMMUNICATING BETWEEN A REMOTE PRINTER AND A SERVER** Out Of Plan US PAT 8645500 , U.S. PTO Utility In order to enable downloading to a mobile printer data items from a server, a method comprising the steps of establishing communication connection end points ("sockets"),... ... al.US US 6999111 2006/02 McIntyre et al.US US 7006242 2006/02 Smith, II et al.US US 7010695 2006/03 Mizuguchi US US 7039033 2006/05 Haller et al.US US 7068846 2006/06 Yaguchi US US 7092119 2006/08 Hinds et al.US US 7103905 2006/09 ...	Feb. 04, 2014	Patents	—	—
—	**62. WIRELESS CONTROL SYSTEM** Out Of Plan US PAT 8284094 , U.S. PTO Utility To easily ensure that appropriate recognition information is used. A remote control system (1) includes a DVR (13) and a remote control (11) that controls the DVR (13) via a... ... Language:English References Cited US Patents and Applications:US US 6369693 2002/04 Gibson US US 6437836 2002/08 Huang et al.348/734 US US 7039033 2006/05 Haller et al.US US 2005/0157668 2005/07 Sivan US US 2006/0085579 2006/04 Sato US US 2008/0253772 2008 ...	Oct. 09, 2012	Patents	—	—
—	**63. METHOD AND SYSTEM FOR COMMUNICATING BETWEEN A REMOTE PRINTER AND A SERVER** Out Of Plan US PAT 7958205 , U.S. PTO Utility In order to enable downloading to a mobile printer data items from a server, a method comprising the steps of establishing communication connection end points ("sockets"),... ... 6999111 2006/02 McIntyre et al.US US 7006242 2006/02 Smith, II et al.358/001.15 US US 7010695 2006/03 Mizuguchi US US 7039033 2006/05 Haller et al.US US 7068846 2006/06 Yaguchi 382/232 US US 7092119 2006/08 Hinds et al.US US 7103905 ...	June 07, 2011	Patents	—	—

Treatment	Title	Date	Type	Depth	Headnote(s)
—	**64. TELECOMMUNICATION TERMINAL COMPRISING TWO EXECUTION SPACES** Out Of Plan US PAT 7865724 , U.S. PTO Utility The invention relates to a user interface-equipped computing device comprising means for implementing a series of applications, said means including two execution spaces. According... ... et al.718/001 US US 6922835 2005/07 Susser et al.719/316 US US 6944699 2005/09 Bugnion et al.710/269 US US 7039033 2006/05 Haller et al.370/338 US US 7069275 2006/06 Salmen 001/001 US US 7200848 2007/04 Slaughter et al.719 ...	Jan. 04, 2011	Patents	—	—
—	**65. VIRTUAL DEVICE** Out Of Plan US PAT 7796572 , U.S. PTO Utility A Virtual Device is described which is composed of at least one Open device, e.g. a PDA, laptop or mobile phone that can be programmed, at least one Closed device, e.g. a camcorder... ... et al.370/465 US US 6888811 2005/05 Eaton et al.370/338 US US 6909721 2005/06 Ekberg et al.370/401 US US 7039033 2006/05 Haller et al.370/338 US US 7346369 2008/03 Fitton et al.455/553.1 US US 7415270 2008/08 Wilhelmsson ...	Sep. 14, 2010	Patents	—	—
—	**66. SYSTEM AND METHOD FOR ESTABLISHING A WIRELESS CONNECTION BETWEEN WIRELESS DEVICES** Out Of Plan US PAT 7715793 , U.S. PTO Utility Described is a system and method for establishing a wireless connection between wireless devices. The method comprises obtaining data of a corresponding computing device. The... ... 350 370/469 370/471 370/401 370/463 370/338 705/026 Drawing Pages:3 Language:English References Cited US Patents and Applications:US US 7039033 2006/05 Haller et al.370/338 US US 7039358 2006/05 Shellhammer et al.455/041.2 US US 7215649 2007/05 Yu ...	May 11, 2010	Patents	—	—
—	**67. INFORMATION LINK SERVICE SYSTEM, ELECTRONIC EQUIPMENT, MOBILE TERMINAL, AUTHENTICATION APPARATUS AND COMMUNICATION METHOD** Out Of Plan US PAT 7636564 , U.S. PTO Utility An internet service server transmits an information link mail to a cellular phone through a cellular phone mail server. If the received e-mail is an information link mail, the... ... 10 Helferich 455/412.2 US US 6898422 2005/05 Bern et al.US US 7010289 2006/03 Jijina et al.455/412.1 US US 7039033 2006/05 Haller et al.370/338 US US 2001/0033225 2001/10 Razavi et al.340/425.5 US US 2002/0065698 2002 ...	Dec. 22, 2009	Patents	—	—

Treatment	Title	Date	Type	Depth	Headnote(s)
----	**68. WIRELESS DEVICE HAVING A SINGLE PROCESSOR IN A SHORT-RANGE RADIO NETWORK** Out Of Plac US PAT 7551590+ , U.S. PTO Utility A system, a wireless hand-held device, and software component for accessing information responsive to short-range radio signals is provided. The system includes a wireless gateway... ... Far-hadian, Esq., F. Jason Examiner(s):Duong, Frank Priority Information Related Information:Continuation of application No. 09/850,399, filed on 2001/05/07, now Pat. No. 7,039,033 Previously published as US 2002/0165006 A1, 2002/11/07 Earliest Priority Date:2001-05-07 Classification Information International Classes (IPC 8):H04Q ...	June 23, 2009	Patents	----	----
----	**69. SYSTEM AND METHOD FOR CONNECTING PERIPHERAL DEVICES TO A SUPPORTING NETWORK THROUGH A MOBILE STATION** Out Of Plac US PAT 7468968 , U.S. PTO Utility A mobile station serves as an aggregation point for connecting one or more peripheral devices to a Public Data Network through the mobile station's wireless link to a supporting... ... et al.370/338 US US 6996085 2006/02 Travostino et al.370/338 US US 7016334 2006/03 Cohen et al.370/338 US US 7039033 2006/05 Haller et al.370/338 US US 7054322 2006/05 D'Annunzio et al.370/401 US US 7173924 2007/02 Shaheen et ...	Dec. 23, 2008	Patents	----	----
----	**70. METHOD, APPARATUS AND SYSTEM FOR HOSTING A GROUP OF TERMINALS** Out Of Plac US PAT 7352997 , U.S. PTO Utility A method, apparatus, and system allowing terminal hosted group activities is provided, whereby proximity and non-proximity connections between a hosting mobile terminal and... ... 041.3 455/059 455/061 455/011.1 370/259 370/260 Drawing Pages:10 Language:English References Cited US Patents and Applications:US US 7039033 2006/05 Haller et al.370/338 US US 2003/0027525 2003/02 Moore et al.455/041 US US 2003/0154398 2003/08 ...	Apr. 01, 2008	Patents	----	----

Treatment	Title	Date	Type	Depth	Headnote(s)
—	**71. APPARATUS FOR WIRELESSLY-COUPLING A BLUETOOTH-WIRELESS CELLULAR MOBILE HANDSET TO A DOCKING STATION FOR CONNECTING A STANDARD TELEPHONE SET TO THE CELLULAR NETWORK** Out Of Plan US PAT 7190954 , U.S. PTO Utility A Bluetooth-wireless docking station for use with a Bluetooth-enabled cellular mobile handset, which docking station allows mobility to the cellular mobile handset rather than... ... 10 Becker et al.US US 6999761 2006/02 Bacon et al.455/426.2 US US 7035633 2006/04 Kirkpatrick 455/426.1 US US 7039033 2006/05 Haller et al.370/338 US US 2001/0002211 2001/05 Lee US US 2001/0031645 2001/10 Jarrett US US 2001 ...	Mar. 13, 2007	Patents	—	—

Search Result List	
Description	Docket Number
Ixi Mobile (R&D) Ltd. Et Al V. Samsung Electronics Co., Ltd. Et Al	3:15cv3752
Ixi Mobile (R&D) Ltd. Et Al V. Blackberry Limited Et Al	3:15cv3754
Ixi Mobile (R&D) Ltd. Et Al V. Apple, Inc.	3:15cv3755
Ixi Mobile (R&D) Ltd. Et Al V. Apple, Inc.	4:15cv3755
Samsung Electronics Co., Ltd. Vs. IXI IP, LLC	IPR2015-01444
Ixi Mobile (R&D) Ltd. Et Al V. Apple, Inc.	1:14cv7954
Ixi Mobile (R&D) Ltd. Et Al V. Blackberry Limited Et Al	1:14cv4428
Ixi Mobile (R&D) Ltd. Et Al V. Samsung Electronics Co., Ltd. Et Al	1:14cv4355

Total number of results: 8

Search Title	Patent Search 7039033 5/16/2017
Patent Number	7039033
Client Matter Code	t swann

US District Court Civil Docket

U.S. District - California Northern
(San Francisco)

3:15cv3752

Ixi Mobile (R&D) Ltd. et al v. Samsung Electronics Co., Ltd. et al

Date Filed:	08/17/2015
Assigned To:	Honorable Haywood S Gilliam, Jr
Referred To:	
Nature of suit:	Patent (830)
Cause:	Patent Infringement
Lead Docket:	None
Other Docket:	3:15cv03754 3:15cv03755 New York Southern, 1:14-cv-04355
Jurisdiction:	Federal Question
Class Code:	OPEN
Closed:	
Statute:	35:145
Jury Demand:	Both
Demand Amount:	$0
NOS Description:	Patent

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Date	#	Proceeding Text	Source
06/17/2014	1		
06/17/2014		SUMMONS ISSUED as to Samsung Electronics America, Inc., Samsung Electronics Co., Ltd., Samsung Telecommunications America, LLC. (moh) (Entered: 06/18/2014)	
06/17/2014		Magistrate Judge Debra C. Freeman is so designated. (moh) (Entered: 06/18/2014)	
06/17/2014		Case Designated ECF. (moh) (Entered: 06/18/2014)	
06/17/2014	2	CIVIL COVER SHEET filed. (moh) (moh). (Entered: 06/18/2014)	
06/17/2014	5	STANDING ORDER IN RE PILOT PROJECT REGARDING CASE MANAGEMENT TECHNIQUES FOR COMPLEX CIVIL CASES IN THE SOUTHERN DISTRICT OF NEW YORK (See M-10-468 Order filed November 1, 2011). This case is hereby designated for inclusion in the Pilot Project Regarding Case Management Techniques for Complex Civil Cases in the Southern District of New York (the Pilot Project), unless the judge to whom this case is assigned determines otherwise. This case is designated for inclusion in the Pilot Project because it is a class action, an MDL action, or is in one of the following Nature of Suit categories: 160, 245, 315, 355, 365, 385, 410, 830, 840, 850, 893, or 950. The presiding judge in a case that does not otherwise qualify for inclusion in the Pilot Project may nevertheless designate the case for inclusion in the Pilot Project by issuing an order directing that the case be included in the Pilot Project. The description of the Pilot Project, including procedures to be followed, is attached to this Order. (Signed by Judge Loretta A. Preska	

		on 10/31/2011) (moh) (Entered: 06/23/2014)
06/17/2014		Case Eligible for Patent Pilot Program. (moh) (Entered: 06/23/2014)
06/17/2014		Mailed notice to Commissioner of Patents and Trademarks to report the filing of this action. (moh) (Entered: 03/26/2015)
06/19/2014	3	RULE 7.1 CORPORATE DISCLOSURE STATEMENT. No Corporate Parent. Document filed by IXI IP,LLC.(Biemer, Thomas) (Entered: 06/19/2014)
06/19/2014	4	RULE 7.1 CORPORATE DISCLOSURE STATEMENT. No Corporate Parent. Document filed by IXI Mobile (R&D) Ltd..(Biemer, Thomas) (Entered: 06/19/2014)
06/27/2014	6	AFFIDAVIT OF SERVICE of Summons and Complaint,. Samsung Telecommunications America, LLC served on 6/20/2014, answer due 7/11/2014. Service was accepted by Dion Miles, Agent in Charge of CSC Corporation Service Company. Document filed by IXI Mobile (R&D) Ltd.; IXI IP,LLC. (Biemer, Thomas) (Entered: 06/27/2014)
06/30/2014	7	ORDER: Initial Conference set for 8/26/2014 at 12:30 PM in Courtroom 905, 40 Centre Street, New York, NY 10007 before Judge Richard J. Sullivan, and as further set forth in this document. (Signed by Judge Richard J. Sullivan on 6/25/2014) (cd) (Entered: 07/01/2014)
07/02/2014	8	AFFIDAVIT OF SERVICE of Summons and Complaint,. Samsung Electronics America, Inc. served on 6/27/2014, answer due 7/18/2014. Service was accepted by Monica Reed, Corporate Operations Specialist, The Corporation Trust Company. Document filed by IXI Mobile (R&D) Ltd.; IXI IP,LLC. (Biemer, Thomas) (Entered: 07/02/2014)
07/08/2014	9	SUPPLEMENTAL RULE 7.1 CORPORATE DISCLOSURE STATEMENT. Identifying Corporate Parent IXI Mobile Inc. for IXI Mobile (R&D) Ltd.. Document filed by IXI Mobile (R&D) Ltd..(Biemer, Thomas) (Entered: 07/08/2014)
07/08/2014	10	LETTER MOTION for Extension of Time To Respond To Plaintiffs' Complaint addressed to Judge Richard J. Sullivan from Thomas S. Biemer, Esquire dated 7/8/2014. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd..(Biemer, Thomas) (Entered: 07/08/2014)
07/08/2014	11	ORDER granting 10 Letter Motion for Extension of Time. IT IS HEREBY ORDERED THAT Defendants time to answer, move against or otherwise respond to Plaintiffs' Complaint is extended to September 12, 2014. IT IS FURTHER ORDERED THAT the initial conference, currently scheduled for August 26, 2014, is ADJOURNED to October 7, 2014 at 12:30 p.m. IT IS FURTHER ORDERED that the parties shall submit the joint letter and proposed case management plan referenced in the Court's June 30, 2014 Order no later than September 30, 2014 at 4:00 p.m. (Signed by Judge Richard J. Sullivan on 7/8/2014) (cd) (Entered: 07/09/2014)
07/08/2014		Set/Reset Deadlines: Samsung Electronics America, Inc. answer due 9/12/2014; Samsung Electronics Co., Ltd. answer due 9/12/2014; Samsung Telecommunications America, LLC answer due 9/12/2014. Set/Reset Hearings:(Initial Conference reset for 10/7/2014 at 12:30 PM before Judge Richard J. Sullivan.) (cd) (Entered: 07/09/2014)
07/22/2014	12	FILING ERROR - DEFICIENT DOCKET ENTRY - MOTION for Joshua D. Wolson to Appear Pro Hac Vice . Filing fee $ 200.00, receipt number 0208-9915096. Motion and supporting papers to be reviewed by Clerk's Office staff. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online, # 2 Online (Entered: 07/22/2014)
07/22/2014	13	FILING ERROR - DEFICIENT DOCKET ENTRY - MOTION for John Joseph Higson to Appear Pro Hac Vice . Filing fee $ 200.00, receipt number 0208-9915160. Motion and supporting papers to be reviewed by Clerk's Office staff. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online, # 2 Online (Entered: 07/22/2014)
07/23/2014		>>>NOTICE REGARDING DEFICIENT MOTION TO APPEAR PRO HAC VICE. Notice regarding Document No. 13 MOTION for John Joseph Higson to Appear Pro Hac Vice . Filing fee $ 200.00, receipt number 0208-9915160. Motion and supporting papers to be reviewed by Clerk's Office staff., 12 MOTION for Joshua D. Wolson to Appear Pro Hac Vice . Filing fee $ 200.00, receipt number 0208-9915096. Motion and supporting papers to be reviewed by Clerk's Office staff.. Please put one Case number on the document. (wb) (Entered: 07/23/2014)
07/23/2014	14	MOTION for Joshua D. Wolson to Appear Pro Hac Vice (CORRECTED). Motion and supporting papers to be reviewed by Clerk's Office staff. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online, # 2 Online (Entered: 07/23/2014)
07/23/2014	15	MOTION for John Joseph Higson to Appear Pro Hac Vice (CORRECTED). Motion and supporting papers to be reviewed by Clerk's Office staff. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online, # 2 Online (Entered: 07/23/2014)
07/24/2014		>>>NOTICE REGARDING PRO HAC VICE MOTION. Regarding Document No. 15 MOTION for John Joseph Higson to Appear Pro Hac Vice (CORRECTED). Motion and

		supporting papers to be reviewed by Clerk's Office staff.. The document has been reviewed and there are no deficiencies. (sdi) (Entered: 07/24/2014)
07/24/2014		>>>NOTICE REGARDING PRO HAC VICE MOTION. Regarding Document No. 14 MOTION for Joshua D. Wolson to Appear Pro Hac Vice (CORRECTED). Motion and supporting papers to be reviewed by Clerk's Office staff.. The document has been reviewed and there are no deficiencies. (sdi) (Entered: 07/24/2014)
07/28/2014	16	ORDER granting 14 Application for Joshua D. Wolson to Appear Pro Hac Vice. (Signed by Judge Richard J. Sullivan on 7/28/2014) (cd) (Entered: 07/28/2014)
07/28/2014	17	ORDER granting 15 Motion for John J. Higson to Appear Pro Hac Vice. (Signed by Judge Richard J. Sullivan on 7/28/2014) (cd) (Entered: 07/28/2014)
08/20/2014	18	FILING ERROR - DEFICIENT DOCKET ENTRY - MOTION to Appear Pro Hac Vice for Mark W. Halderman. Motion and supporting papers to be reviewed by Clerk's Office staff. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online, # 2 Online (Entered: 08/20/2014)
08/20/2014		>>>NOTICE REGARDING DEFICIENT MOTION TO APPEAR PRO HAC VICE. Notice regarding Document No. 18 MOTION to Appear Pro Hac Vice for Mark W. Halderman. Motion and supporting papers to be reviewed by Clerk's Office staff.. The filing is deficient for the following reason(s): Filing fee not paid.Missing Certificate of Good Standing. Certificate of Good Standing must be issued from the Supreme Court of Texas and not from a State Bar Association. Re-file the document as a Corrected Motion to Appear Pro Hac Vice and attach a valid Certificate of Good Standing, issued within the past 30 days and pay the filing fee. (bcu) (Entered: 08/20/2014)
08/25/2014	19	MOTION to Appear Pro Hac Vice for Mark Halderman. Filing fee $ 200.00, receipt number 0208-10032281. Motion and supporting papers to be reviewed by Clerk's Office staff. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online, # 2 Online (Entered: 08/25/2014)
08/25/2014		>>>NOTICE REGARDING PRO HAC VICE MOTION. Regarding Document No. 19 MOTION to Appear Pro Hac Vice for Mark Halderman. Filing fee $ 200.00, receipt number 0208-10032281. Motion and supporting papers to be reviewed by Clerk's Office staff.. The document has been reviewed and there are no deficiencies. (wb) (Entered: 08/25/2014)
08/26/2014	20	ORDER granting 19 Motion for Mark W. Halderman to Appear Pro Hac Vice. (Signed by Judge Richard J. Sullivan on 8/26/2014) (ajs) (Entered: 08/26/2014)
09/11/2014	21	LETTER MOTION for Extension of Time to File Answer addressed to Judge Richard J. Sullivan from Todd M. Friedman dated September 11, 2014. Document filed by Samsung Electronics America, Inc., Samsung Electronics Co., Ltd., Samsung Telecommunications America, LLC.(Friedman, Todd) (Entered: 09/11/2014)
09/11/2014	22	ORDER granting 21 Letter Motion for Extension of Time to Answer. SO ORDERED. Samsung Electronics America, Inc. answer due 9/26/2014; Samsung Electronics Co., Ltd. answer due 9/26/2014; Samsung Telecommunications America, LLC answer due 9/26/2014. (Signed by Judge Richard J. Sullivan on 9/11/2014) (mro) (Entered: 09/12/2014)
09/26/2014	23	FILING ERROR - CORPORATE PARENT/OTHER AFFILIATE NOT ADDED - RULE 7.1 CORPORATE DISCLOSURE STATEMENT. No Corporate Parent. Document filed by Samsung Electronics America, Inc., Samsung Electronics Co., Ltd., Samsung Telecommunications America, LLC.(Friedman, Todd) Modified on 9/29/2014 (lb). (Entered: 09/26/2014)
09/26/2014	24	ANSWER to 1 Complaint, with JURY DEMAND., COUNTERCLAIM against All Plaintiffs. Document filed by Samsung Electronics America, Inc., Samsung Electronics Co., Ltd., Samsung Telecommunications America, LLC.(Friedman, Todd) (Entered: 09/26/2014)
09/29/2014		*** NOTE TO ATTORNEY TO RE-FILE DOCUMENT - DEFICIENT DOCKET ENTRY ERROR. Note to Attorney Todd M. Friedman to RE-FILE Document 23 Rule 7.1 Corporate Disclosure Statement,. ERROR(S): Corporate Parents were not added. Please re-file this document and when prompted: Are there any corporate parents or other affiliates?, select the YES radio button and enter the Corporate Parent(s) or Affiliate(s). YOU MUST SELECT THE SEARCH BUTTON. Select the correct name or create a new corporate parent. Add the Corporate Parent(s) or Affiliate(s) one party name at a time. (lb) (Entered: 09/29/2014)
09/29/2014	25	RULE 7.1 CORPORATE DISCLOSURE STATEMENT. Identifying Other Affiliate Samsung Electronics America, Inc. for Samsung Telecommunications America, LLC; Corporate Parent Samsung Electronics Co., Ltd. for Samsung Electronics America, Inc.. Document filed by Samsung Electronics America, Inc., Samsung Electronics Co., Ltd., Samsung

		Telecommunications America, LLC.(Friedman, Todd) (Entered: 09/29/2014)
09/30/2014	26	JOINT LETTER addressed to Judge Richard J. Sullivan from Thomas S. Biemer, Esquire dated September 30, 2014 re: Joint Submission Pursuant to Court Order Dated June 30, 2014 modified 7-8-14. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online, # 2 Online (Entered: 09/30/2014)
10/07/2014		Minute Entry for proceedings held before Judge Richard J. Sullivan: Initial Pretrial Conference was held on 10/7/2014. Plaintiffs' counsel John Higson and Thomas Biemer were present. Defendant Samsung's counsel Todd Friedman and Greg Arovis were present. Defendant Blackberry's counsel Jason Cook and Marshal Beil were present. The parties are directed to confer with counsel for the defendant in the newly-filed related case and to submit a revised case management plan and joint letter no later than 11/7/14. (sc) (Entered: 10/08/2014)
10/09/2014	27	NOTICE OF APPEARANCE by Gregory Steven Arovas on behalf of Samsung Electronics America, Inc., Samsung Electronics Co., Ltd., Samsung Telecommunications America, LLC. (Arovas, Gregory) (Entered: 10/09/2014)
10/09/2014	28	NOTICE OF APPEARANCE by Todd M. Friedman on behalf of Samsung Electronics America, Inc., Samsung Electronics Co., Ltd., Samsung Telecommunications America, LLC. (Friedman, Todd) (Entered: 10/09/2014)
10/09/2014	29	NOTICE OF APPEARANCE by James E. Marina on behalf of Samsung Electronics America, Inc., Samsung Electronics Co., Ltd., Samsung Telecommunications America, LLC. (Marina, James) (Entered: 10/09/2014)
10/17/2014	30	ANSWER to 24 Counterclaim. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online (Entered: 10/17/2014)
11/03/2014	31	MOTION for David Rokach to Appear Pro Hac Vice . Filing fee $ 200.00, receipt number 0208-10273866. Motion and supporting papers to be reviewed by Clerk's Office staff. Document filed by Samsung Electronics America, Inc., Samsung Electronics Co., Ltd., Samsung Telecommunications America, LLC. (Attachments: # 1 Online, # 2 Online (Entered: 11/03/2014)
11/04/2014		>>>NOTICE REGARDING PRO HAC VICE MOTION. Regarding Document No. 31 MOTION for David Rokach to Appear Pro Hac Vice . Filing fee $ 200.00, receipt number 0208-10273866. Motion and supporting papers to be reviewed by Clerk's Office staff.. The document has been reviewed and there are no deficiencies. (wb) (Entered: 11/04/2014)
11/06/2014	32	ORDER FOR ADMISSION PRO HAC VICE granting 31 Motion for David Rokach to Appear Pro Hac Vice. (Signed by Judge Richard J. Sullivan on 11/5/2014) (mro) (Entered: 11/07/2014)
11/07/2014	33	JOINT LETTER addressed to Judge Richard J. Sullivan from Thomas S. Biemer, Esquire dated 11/7/2014 re: Joint Submission Pursuant to Order during October 7, 2014 Conference. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online, # 2 Online (Entered: 11/07/2014)
11/10/2014	34	LETTER addressed to Judge Richard J. Sullivan from Thomas S. Biemer, Esquire dated November 10, 2014 re: Response to Letter Dated November 7, 2014 from Defendant Apple, Inc. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd..(Biemer, Thomas) (Entered: 11/10/2014)
11/26/2014	35	NOTICE OF APPEARANCE by James Henry McConnell on behalf of Samsung Electronics America, Inc., Samsung Electronics Co., Ltd., Samsung Telecommunications America, LLC. (McConnell, James) (Entered: 11/26/2014)
12/01/2014	36	ORDER: The Court is in receipt of the parties' letters concerning disputes about the proposed case management plan. Having considered the parties' arguments, IT IS HEREBY ORDERED THAT, no later than December 8, 2014, the parties shall jointly submit a revised case management plan that reflects a 30-day extension of all contested dates. So Ordered (Signed by Judge Richard J. Sullivan on 12/1/2014) (js) Modified on 12/2/2014 (js). (Entered: 12/02/2014)
12/08/2014	37	JOINT LETTER addressed to Judge Richard J. Sullivan from Thomas S. Biemer, Esquire dated 12/8/2014 re: Proposed Case Management Plan and Scheduling Order. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online (Entered: 12/08/2014)
12/12/2014	38	CASE MANAGEMENT PLAN AND SCHEDULING ORDER: All parties do not consent to disposition of this case by a Magistrate Judge, pursuant to 28 U.S.C. § 636(c). These cases are to be tried to juries. Plaintiffs' Claim Construction Brief shall be filed by: July 8, 2015. Defendants' Claim Construction Briefs shall be filed by: August 7, 2015. Plaintiffs' Reply Claim Construction Brief shall be filed by: August 14, 2015. Depositions shall be

		completed by: 11/10/2015. Completion of Fact Discovery: 11/10/2015. The Court will conduct a post-discovery conference on 11/24/2015. Referral to a Magistrate Judge for settlement discussions. (Signed by Judge Richard J. Sullivan on 12/8/2014) (mro) (Entered: 12/15/2014)
12/12/2014		Set/Reset Deadlines: Brief due by 8/14/2015. (mro) (Entered: 12/15/2014)
12/22/2014	39	ORDER: The Court seeks input from Defendants Samsung Electronics Co., Ltd., et al. ("Samsung") as to their views concerning a potential 28 U.S.C. § 1404(a) motion to transfer Case No. 14-cv-4355 (RJS) to the Northern District of California. Accordingly, IT IS HEREBY ORDERED THAT Defendants Samsung shall submit a letter response to a potential 28 U.S.C. § 1404(a) motion to transfer to the Northern District of California by Tuesday, December 30, 2014. (Signed by Judge Richard J. Sullivan on 12/22/2014) (mro) (Entered: 12/22/2014)
12/30/2014	40	LETTER addressed to Judge Richard J. Sullivan from Todd M. Friedman dated December 30, 2014 re: Potential Motion to Transfer. Document filed by Samsung Electronics America, Inc., Samsung Electronics Co., Ltd., Samsung Telecommunications America, LLC.(Friedman, Todd) (Entered: 12/30/2014)
01/05/2015	41	ORDER: After receiving pre-motion letters from the parties in Case Nos. 14-cv-7954 (RJS) and 14-cv-4428 (RJS) (Doc. Nos. 23, 24, No. 14-cv-7954 (RJS); Doc. Nos. 43, 44, No. 14-cv-4428 (RJS)), the Court, on December 22, 2014, issued an Order to Defendants Samsung Electronics Co., Ltd., el at. ("Samsung") in a related case, Case No. 14-cv-4355 (RJS), seeking input as to their views concerning a potential 28 U.S.C. § 1404(a) motion to transfer Case No. 14-cv-4355 (RJS) to the Northern District of California. (Doc. No. 39, No. 14-cv-4355 (RJS).) The Court is in receipt of Samsung's letter dated December 30, 2014, supporting Apple's and BlackBerry's motions to transfer but declining, at this time, to file their own motion to transfer. (Doc. No. 40, No. 14-cv-4355 (RJS).) Accordingly, IT IS HEREBY ORDERED THAT all of the above-captioned parties, including Samsung, shall appear for a conference on January 20, 2015 at 4:00 p.m. in Courtroom 905 at 40 Foley Square concerning the anticipated motions to transfer Case Nos. 14-cv-7954 (RJS) and 14-cv-4428 (RJS) to the Northern District of California pursuant to 28 U.S.C. § 1404(a). (Status Conference set for 1/20/2015 at 04:00 PM in Courtroom 905, 40 Centre Street, New York, NY 10007 before Judge Richard J. Sullivan.) (Signed by Judge Richard J. Sullivan on 1/5/2015) (mro) (Entered: 01/05/2015)
01/30/2015	42	TRANSCRIPT of Proceedings re: conference held on 1/20/2015 before Judge Richard J. Sullivan. Court Reporter/Transcriber: Khristine Sellin, (212) 805-0300. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through PACER. Redaction Request due 2/23/2015. Redacted Transcript Deadline set for 3/5/2015. Release of Transcript Restriction set for 5/4/2015.(McGuirk, Kelly) (Entered: 01/30/2015)
01/30/2015	43	NOTICE OF FILING OF OFFICIAL TRANSCRIPT Notice is hereby given that an official transcript of a conference proceeding held on 1/20/2015 has been filed by the court reporter/transcriber in the above-captioned matter. The parties have seven (7) calendar days to file with the court a Notice of Intent to Request Redaction of this transcript. If no such Notice is filed, the transcript may be made remotely electronically available to the public without redaction after 90 calendar days...(McGuirk, Kelly) (Entered: 01/30/2015)
02/03/2015	44	MOTION to Transfer Case Samsung's Notice of Motion to Transfer Venue Pursuant to 28 U.S.C. § 1404(a). Document filed by Samsung Electronics America, Inc., Samsung Electronics Co., Ltd., Samsung Telecommunications America, LLC.(Friedman, Todd) (Entered: 02/03/2015)
02/03/2015	45	MEMORANDUM OF LAW in Support re: 44 MOTION to Transfer Case Samsung's Notice of Motion to Transfer Venue Pursuant to 28 U.S.C. § 1404(a). . Document filed by Samsung Electronics America, Inc., Samsung Electronics Co., Ltd., Samsung Telecommunications America, LLC. (Friedman, Todd) (Entered: 02/03/2015)
02/03/2015	46	DECLARATION of Todd M. Friedman in Support re: 44 MOTION to Transfer Case Samsung's Notice of Motion to Transfer Venue Pursuant to 28 U.S.C. § 1404(a).. Document filed by Samsung Electronics America, Inc., Samsung Electronics Co., Ltd., Samsung Telecommunications America, LLC. (Attachments: # 1 Online, # 2 Online, # 3 Online, # 4 Online (Entered: 02/03/2015)
02/17/2015	47	BRIEF re: 44 MOTION to Transfer Case Samsung's Notice of Motion to Transfer Venue Pursuant to 28 U.S.C. § 1404(a). Omnibus Brief In Opposition to Motion to Transfer. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd..(Biemer, Thomas) (Entered: 02/17/2015)
02/17/2015	48	DECLARATION of John J. Higson in Opposition re: 44 MOTION to Transfer Case Samsung's Notice of Motion to Transfer Venue Pursuant to 28 U.S.C. § 1404(a)..

		Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online, # 2 Online, # 3 Online, # 4 Online, # 5 Online, # 6 Online, # 7 Online, # 8 Online, # 9 Online, # 10 Online, # 11 Online, # 12 Online, # 13 Online, # 14 Online (Entered: 02/17/2015)
02/17/2015	49	DECLARATION of Zion Hadad in Opposition re: 44 MOTION to Transfer Case Samsung's Notice of Motion to Transfer Venue Pursuant to 28 U.S.C. § 1404(a).. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Biemer, Thomas) (Entered: 02/17/2015)
02/17/2015	50	DECLARATION of Steve Pedersen in Opposition re: 44 MOTION to Transfer Case Samsung's Notice of Motion to Transfer Venue Pursuant to 28 U.S.C. § 1404(a).. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Biemer, Thomas) (Entered: 02/17/2015)
02/20/2015	51	REPLY MEMORANDUM OF LAW in Support re: 44 MOTION to Transfer Case Samsung's Notice of Motion to Transfer Venue Pursuant to 28 U.S.C. § 1404(a). . Document filed by Samsung Electronics America, Inc., Samsung Electronics Co., Ltd., Samsung Telecommunications America, LLC. (Friedman, Todd) (Entered: 02/20/2015)
02/24/2015	52	LETTER addressed to Judge Richard J. Sullivan from Thomas S. Biemer, Esquire dated February 24, 2015 re: IXI Mobile (R&D), LTD., et al. v. Samsung Electronics Co., Blackberry, LTD, et al., and Apple, Inc. Venue Transfer Brief. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd..(Biemer, Thomas) (Entered: 02/24/2015)
02/25/2015	53	ORDER: The Court is in receipt of Plaintiff's letter, dated February 24, 2015, requesting leave to file a sur-reply to Apple's reply brief. (Doc. No. 37, No. 14-cv-7954 (RJS).) The Court also is in receipt of Defendant Apple Inc.'s letter, dated February 24, 2015, responding to Plaintiff's letter and requesting "that IXI be required to provide the Court with the [IXI License Agreement]." (Doc. No. 38, No. 14-cv-7954 (RJS).) Because the Court finds that limited supplemental briefing as to whether IXI Mobile (R&D), Inc. lacks standing to be a Plaintiff in these actions would be helpful, IT IS HEREBY ORDERED THAT Plaintiff's request for leave to file a sur-reply is GRANTED. Plaintiff shall limit the sur-reply to three pages and submit the sur-reply by March 2, 2015. IT IS FURTHER ORDERED THAT Defendant Apple Inc.'s request "to respond to any new facts, evidence, or arguments introduced in the sur-reply" is GRANTED. Defendant Apple Inc. shall limit its response to three pages and submit the response by March 5, 2015. Finally, because the Court also finds that its review of the license referenced in the parties' briefing and letters would help the Court resolve the motion to transfer these actions to the Northern District of California pursuant to 28 U.S.C. § 1404(a), IT IS FURTHER ORDERED THAT Defendant Apple Inc.'s request "that IXI be required to provide the Court with the license" is GRANTED. (Responses due by 3/5/2015, Surreplies due by 3/2/2015.) (Signed by Judge Richard J. Sullivan on 2/25/2015) (mro) (Entered: 02/26/2015)
02/27/2015	54	LETTER addressed to Judge Richard J. Sullivan from Thomas S. Biemer, Esquire dated February 27, 2015 re: IXI Mobile (R&D), LTD., et al. v. Samsung Electronics Co., Blackberry, LTD, et al., and Apple, Inc. Transfer Venue Sur-Reply. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd..(Biemer, Thomas) (Entered: 02/27/2015)
02/27/2015	55	MEMO ENDORSEMENT on re: (54 in 1:14-cv-04355-RJS) Letter, filed by IXI IP,LLC, IXI Mobile (R&D) Ltd., (58 in 1:14-cv-04428-RJS) Letter, filed by IXI IP, LLC, IXI Mobile (R&D) Ltd., (40 in 1:14-cv-07954-RJS) Letter, filed by IXI IP,LLC, IXI Mobile (R&D) Ltd. ENDORSEMENT: There is a well-established presumption in the Second Circuit in favor of open court records. See United States v. Amodeo, 44 F.3d 141, 146 (2d Cir. 1995). To overcome this presumption, a party must demonstrate that sealing a judicial document is "essential to preserve higher values and is narrowly tailored to serve that interest." United States v. Alcantara, 396 F.3d 189, 199 (2d Cir. 2005); see also Lugosch v. Pyramid Co. of Onondaga, 435 F.3d 110, 119-20 (2d Cir. 2006) ("[D]ocuments may be sealed if specific, on the record findings are made demonstrating that closure is essential to preserve higher values and is narrowly tailored to serve that interest." (quotation marks and citations omitted)). Because Plaintiff represents that the license agreement between IXI IP and IXI Mobile contains "confidential information" and that the patent purchase agreement includes information relating to the strategy and financing of this litigation, the Court will allow Plaintiff to file the license and redacted patent purchase agreements under seal, and to submit the unredacted patent purchase agreement in camera. However, the Court may reach a different conclusion upon reviewing the materials in question and, at that time, will direct the parties to address whether the various documents should remain under seal. (Signed by Judge Richard J. Sullivan on 2/27/2015) (mro) (Entered: 03/02/2015)
03/02/2015	56	REPLY MEMORANDUM OF LAW in Opposition re: 44 MOTION to Transfer Case Samsung's Notice of Motion to Transfer Venue Pursuant to 28 U.S.C. § 1404(a). PLAINTIFFS SUR-REPLY IN FURTHER OPPOSITION TO DEFENDANTS MOTIONS TO TRANSFER. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Biemer, Thomas) (Entered: 03/02/2015)

03/02/2015	57	DECLARATION of STEVE PEDERSEN in Opposition re: 44 MOTION to Transfer Case Samsung's Notice of Motion to Transfer Venue Pursuant to 28 U.S.C. § 1404(a).. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Biemer, Thomas) (Entered: 03/02/2015)
03/02/2015	58	DECLARATION of JOHN J. HIGSON in Opposition re: 44 MOTION to Transfer Case Samsung's Notice of Motion to Transfer Venue Pursuant to 28 U.S.C. § 1404(a).. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online, # 2 Online, # 3 Online, # 4 Online, # 5 Online, # 6 Online (Entered: 03/02/2015)
03/06/2015	59	STIPULATION OF DISMISSAL OF CLAIMS AGAINST SAMSUNG TELECOMMUNICATIONS AMERICA, LLC: IT IS HEREBY STIPULATED AND AGREED by the parties as follows: 1. Claims asserted by IXI against STA in the above-captioned action will be dismissed, without prejudice, pursuant to Rule 41(a) of the Federal Rules of Civil Procedure, and STA will no longer be a party to the above-captioned action. 2. SEA is STA's successor in interest for the purposes of this lawsuit and will assume any liability that STA bears in this lawsuit. 3. Nothing in this stipulation shall be construed as an admission or concession of liability by any defendant. (Signed by Judge Richard J. Sullivan on 3/6/2015) (mro) (Entered: 03/09/2015)
04/14/2015	60	AGREED PROTECTIVE ORDER REGARDING THE DISCLOSURE AND USE OF DISCOVERY MATERIALS...regarding procedures to be followed that shall govern the handling of confidential material... (Signed by Judge Richard J. Sullivan on 4/14/2015) (mro) (Entered: 04/15/2015)
04/14/2015	61	ORDER: This Addendum is an integral part of the Order of today's date granting confidentiality protection to certain materials. Notwithstanding any other provision, no document may be filed with the Clerk under seal without a further Order of this Court addressing the specific documents to be sealed. Any application to seal shall be accompanied by an affidavit or affidavits and a memorandum of law, demonstrating that the standards for sealing have been met and specifically addressing Lugosch v. Pyramid Co. of Onondaga, 435 F.3d 110, 119-20 (2d Cir. 2006) and any other controlling authority. Nothing herein is intended to alter or modify the applicability of Federal Rule of Civil Procedure 5.2 to this case. The redactions expressly authorized by Rule 5.2 may be made without further application to the Court. (Signed by Judge Richard J. Sullivan on 4/14/2015) (mro) (Entered: 04/15/2015)
05/04/2015	62	MOTION to Appear Pro Hac Vice for Gary D. Colby, Esquire. Filing fee $ 200.00, receipt number 0208-10883328. Motion and supporting papers to be reviewed by Clerk's Office staff. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online, # 2 Online (Entered: 05/04/2015)
05/04/2015		>>>NOTICE REGARDING PRO HAC VICE MOTION. Regarding Document No. 62 MOTION to Appear Pro Hac Vice for Gary D. Colby, Esquire. Filing fee $ 200.00, receipt number 0208-10883328. Motion and supporting papers to be reviewed by Clerk's Office staff.. The document has been reviewed and there are no deficiencies. (wb) (Entered: 05/04/2015)
05/06/2015	63	ORDER granting 62 Motion for Gary D. Colby to Appear Pro Hac Vice. (Signed by Judge Richard J. Sullivan on 5/5/2015) (kl) (Entered: 05/06/2015)
05/11/2015	64	JOINT STIPULATION OF DISMISSAL OF CLAIMS RELATED TO U.S. PATENT NO. 7,426,398: Plaintiffs IXI Mobile (R&D) Ltd. and IXI IP, LLC (collectively, "Plaintiffs") and Defendants Samsung Electronics Co., Ltd. and Samsung Electronic America, Inc. (collectively "Defendants"); hereby stipulate and agree to the dismissal with prejudice of the Second Count for Relief in Plaintiffs' Complaint alleging infringement of U.S. Patent No. 7,426,398 ("the '398 Patent") in the above-captioned action, each party to bear its own costs and fees related to claims of infringement of the '398 Patent. Further, Plaintiffs and Defendants hereby stipulate and agree to the dismissal without prejudice of Defendants' counterclaims of invalidity and non-infringement of the '398 Patent, each party to bear its own costs and fees related to counterclaims of invalidity and non-infringement of the '398 Patent. SO ORDERED. (Signed by Judge Richard J. Sullivan on 5/11/2015) (kko) (Entered: 05/11/2015)
05/15/2015	65	ORDER REFERRING CASE TO MAGISTRATE JUDGE. Order that case be referred to the Clerk of Court for assignment to a Magistrate Judge for Settlement: The parties shall contact Magistrate Judge Debra Freeman by May 19, 2015 to schedule a settlement conference. Referred to Magistrate Judge Debra C. Freeman. (Signed by Judge Richard J. Sullivan on 5/15/2015) (tn) (Entered: 05/18/2015)
05/28/2015		Minute Entry for proceedings held before Magistrate Judge Debra C. Freeman: Settlement Conference held via telephone on 5/28/2015. Telephone conference scheduled for 8/25/15 at 12:00 p.m. (aba) (Entered: 05/28/2015)
06/04/2015	66	LETTER addressed to Judge Richard J. Sullivan from Thomas S. Biemer, Esquire dated

		June 4, 2015 re: Claim Construction Technology Tutorial. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd..(Biemer, Thomas) (Entered: 06/04/2015)
06/05/2015	67	AMENDED LETTER addressed to Judge Richard J. Sullivan from Thomas S. Biemer, Esquire dated June 5, 2015 re: Claim Construction Technology Tutorial. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd..(Biemer, Thomas) (Entered: 06/05/2015)
06/08/2015	68	JOINT CLAIM CONSTRUCTION STATEMENT. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd., Samsung Electronics America, Inc., Samsung Electronics Co., Ltd.. (Biemer, Thomas) (Entered: 06/08/2015)
06/15/2015	69	LETTER addressed to Judge Richard J. Sullivan from Thomas S. Biemer dated June 15, 2015 re: Pre-Motion Request to Strike Joint Claim Terms Chart. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd..(Biemer, Thomas) (Entered: 06/15/2015)
06/18/2015	70	LETTER addressed to Judge Richard J. Sullivan from Harrison J. Frahn IV (on behalf of all Defendants) dated June 18, 2015 re: Response to IXI's Request for a Pre-motion Conference for a Motion to Strike. Document filed by Samsung Electronics America, Inc., Samsung Electronics Co., Ltd..(Friedman, Todd) (Entered: 06/18/2015)
07/02/2015	72	ENDORSED LETTER addressed to Judge Richard J. Sullivan from Thomas S. Biemer dated 7/2/2015 re: Plaintiffs respectfully request 5 additional pages for their Opening Claim Construction Brief due on July 8, 2015, as well as 5 additional pages for their supporting expert declaration. ENDORSEMENT: SO ORDERED. (Signed by Judge Richard J. Sullivan on 7/2/2015) (mro) (Entered: 07/06/2015)
07/03/2015	71	LETTER addressed to Judge Richard J. Sullivan from Todd M. Friedman dated July 2, 2015 re: Pre-Motion Conference for Motion to Stay. Document filed by Samsung Electronics America, Inc., Samsung Electronics Co., Ltd..(Friedman, Todd) (Entered: 07/03/2015)
07/08/2015	73	BRIEF Plaintiffs Opening Claim Construction Brief. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd..(Biemer, Thomas) (Entered: 07/08/2015)
07/08/2015	74	DECLARATION re: 73 Brief Declaration of Mark W. Halderman. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online, # 2 Online, # 3 Online, # 4 Online, # 5 Online, # 6 Online, # 7 Online, # 8 Online, # 9 Online, # 10 Online (Entered: 07/08/2015)
07/08/2015	75	DECLARATION re: 73 Brief Declaration of Joel R. Williams. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online, # 2 Online, # 3 Online (Entered: 07/08/2015)
07/08/2015	76	LETTER addressed to Judge Richard J. Sullivan from Thomas S. Biemer, Esquire dated July 8, 2015 re: Response to pre-motion letter from Defendants Apple and Samsung requesting a stay. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd..(Biemer, Thomas) (Entered: 07/08/2015)
08/03/2015	77	LETTER addressed to Judge Richard J. Sullivan from Marshall Beil (on behalf of all Defendants) dated August 3, 2015 re: Request for additional pages and exhibits for Defendants' Responsive Claim Construction Brief. Document filed by Samsung Electronics America, Inc., Samsung Electronics Co., Ltd..(Friedman, Todd) (Entered: 08/03/2015)
08/03/2015	78	MEMO ENDORSEMENT on re: (84 in 1:14-cv-04428-RJS) Letter, filed by Blackberry Limited, Blackberry Corporation, (77 in 1:14-cv-04355-RJS) Letter, filed by Samsung Electronics Co., Ltd., Samsung Electronics America, Inc. ENDORSEMENT: SO ORDERED. (Brief due by 8/7/2015.) (Signed by Judge Richard J. Sullivan on 8/3/2015) (mro) (Entered: 08/04/2015)
08/06/2015	79	OPINION AND ORDER re: (27 in 1:14-cv-07954-RJS) MOTION to Transfer Case Apple Inc.'s Notice of Motion to Transfer Venue Pursuant to 28 U.S.C. § 1404(a). filed by Apple, Inc., (47 in 1:14-cv-04428-RJS) MOTION to Transfer Case . filed by Blackberry Limited, Blackberry Corporation, (44 in 1:14-cv-04355-RJS) MOTION to Transfer Case Samsung's Notice of Motion to Transfer Venue Pursuant to 28 U.S.C. § 1404(a). filed by Samsung Electronics Co., Ltd., Samsung Telecommunications America, LLC, Samsung Electronics America, Inc. Weighing the factors set forth above and having considered all the facts and circumstances before it, the Court determines that Defendants have demonstrated by clear and convincing evidence that transfer of these three actions is appropriate. Accordingly, IT IS HEREBY ORDERED THAT Defendants' motions to transfer these actions to the Northern District of California are GRANTED. The Clerk of the Court is respectfully directed to terminate the motions pending at docket entries 44 in case number 14--cv-4355 (RJS), 47 in case number 14--cv-4428 (RJS), and 27 in case number 14-cv-7954 (RJS), and to close these cases. SO ORDERED. (As further set forth within this Order.) (Signed by Judge Richard J. Sullivan on 8/6/2015) (ajs) (Entered: 08/07/2015)
08/06/2015		CASE TRANSFERRED OUT ELECTRONICALLY from the U.S.D.C. Southern District of New York to the United States District Court - Northern District of California. (ajs) (Entered:

		08/14/2015)
08/12/2015	80	LETTER addressed to Judge Richard J. Sullivan from Thomas S. Biemer, Esquire dated August 12, 2015 re: Requesting Reconsideration of the Order entered August 7, 2015. Document filed by IXI IP,LLC, IXI Mobile (R&D) Ltd..(Biemer, Thomas) (Entered: 08/12/2015)
08/17/2015	81	Case transferred in from District of New York Southern; Case Number 1:14-cv-04355. Original file certified copy of transfer order and docket sheet received. (Entered: 08/20/2015)
08/20/2015	82	Initial Case Management Scheduling Order with ADR Deadlines: Case Management Statement due by 11/13/2015. Case Management Conference set for 11/20/2015 02:00 PM in Courtroom G, 15th Floor, San Francisco. (Attachments: # 1 Online (Entered: 08/20/2015)
08/21/2015	83	NOTICE of Change In Counsel by Gregory A Blue (Blue, Gregory) (Filed on 8/21/2015) (Entered: 08/21/2015)
08/24/2015	84	NOTICE of Appearance by Jennifer S. Coleman (Coleman, Jennifer) (Filed on 8/24/2015) (Entered: 08/24/2015)
08/24/2015	85	CONSENT/DECLINATION to Proceed Before a US Magistrate Judge by IXI IP,LLC, IXI Mobile (R&D) Ltd... (Coleman, Jennifer) (Filed on 8/24/2015) (Entered: 08/24/2015)
08/25/2015	86	CLERK'S NOTICE of Impending Reassignment to U.S. District Judge (klhS, COURT STAFF) (Filed on 8/25/2015) (Entered: 08/25/2015)
08/25/2015	87	NOTICE of Appearance by John V. Picone, III (Picone, John) (Filed on 8/25/2015) (Entered: 08/25/2015)
08/25/2015	88	NOTICE of Appearance by Jeffrey Michael Ratinoff (Ratinoff, Jeffrey) (Filed on 8/25/2015) (Entered: 08/25/2015)
08/25/2015	89	NOTICE of Appearance by Aleksandr Korzh (Korzh, Aleksandr) (Filed on 8/25/2015) (Entered: 08/25/2015)
08/25/2015	90	ORDER, Case reassigned to Hon. Haywood S Gilliam, Jr. Magistrate Judge Joseph C. Spero no longer assigned to the case.. Signed by Executive Committee on 8/25/15. (haS, COURT STAFF) (Filed on 8/25/2015) (Entered: 08/25/2015)
08/26/2015	91	CLERK'S NOTICE SETTING CASE MANAGEMENT CONFERENCE FOR REASSIGNED CIVIL CASE. Notice is hereby given that a Case Management Conference has been set for November 24, 2015, before Judge Haywood S. Gilliam, Jr., at 2:00 p.m., in Courtroom 15, 18th Floor, 450 Golden Gate Avenue, San Francisco, CA. Case Management Statement due by November 17, 2015. (This is a text only docket entry, there is no document associated with this notice.)(ndrS, COURT STAFF) (Filed on 8/26/2015) (Entered: 08/26/2015)
09/02/2015	92	MOTION to Relate Case filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online, # 2 Online (Entered: 09/02/2015)
09/02/2015	93	CLERK'S NOTICE. Notice is hereby given that the Case Management Conference, previously set for November 24, 2015, is advanced to November 17, 2015, before Judge Haywood S. Gilliam, Jr., at 2:00 p.m., in Courtroom 15, 18th Floor, 450 Golden Gate Avenue, San Francisco, CA. Case Management Statement due by November 10, 2015. (This is a text only docket entry, there is no document associated with this notice.) (ndrS, COURT STAFF) (Filed on 9/2/2015) (Entered: 09/02/2015)
09/09/2015	94	ORDER by Judge Haywood S. Gilliam, Jr. Granting 92 Motion to Relate Cases 15-cv-3754-RS and 15-cv-3755-PJH. (ndrS, COURT STAFF) (Filed on 9/9/2015) (Entered: 09/09/2015)
09/15/2015	95	CERTIFICATE OF SERVICE by IXI IP,LLC, IXI Mobile (R&D) Ltd. (Coleman, Jennifer) (Filed on 9/15/2015) (Entered: 09/15/2015)
09/16/2015	96	MOTION for leave to appear in Pro Hac Vice for Joshua D. Wolson (Filing fee $ 305, receipt number 0971-9841264.) filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online (Entered: 09/16/2015)
09/17/2015	97	MOTION for leave to appear in Pro Hac Vice for Thomas S. Biemer (Filing fee $ 305, receipt number 0971-9844077.) filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online (Entered: 09/17/2015)
09/17/2015	98	MOTION for leave to appear in Pro Hac Vice for John J. Higson (Filing fee $ 305, receipt number 0971-9844263.) filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online (Entered: 09/17/2015)

09/17/2015	99	MOTION for leave to appear in Pro Hac Vice for Gary D. Colby (Filing fee $ 305, receipt number 0971-9844688.) filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online (Entered: 09/17/2015)
09/17/2015	100	MOTION for leave to appear in Pro Hac Vice for Marie-Theres DiFillippo (Filing fee $ 305, receipt number 0971-9844850.) filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online (Entered: 09/17/2015)
09/17/2015	101	MOTION for leave to appear in Pro Hac Vice for Mark W. Halderman (Filing fee $ 305, receipt number 0971-9845155.) filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online (Entered: 09/17/2015)
09/24/2015	102	ORDER by Judge Haywood S. Gilliam, Jr. Granting 96 Motion for Pro Hac Vice for Joshua D. Wolson (ndrS, COURT STAFF) (Filed on 9/24/2015) (Entered: 09/24/2015)
09/24/2015	103	ORDER by Judge Haywood S. Gilliam, Jr. Granting 97 Motion for Pro Hac Vice for Thomas S. Biemer (ndrS, COURT STAFF) (Filed on 9/24/2015) (Entered: 09/24/2015)
09/24/2015	104	ORDER by Judge Haywood S. Gilliam, Jr. Granting 98 Motion for Pro Hac Vice for Thomas S. Biemer (ndrS, COURT STAFF) (Filed on 9/24/2015) (Entered: 09/24/2015)
09/24/2015	105	ORDER by Judge Haywood S. Gilliam, Jr. Granting 99 Motion for Pro Hac Vice for Gary D. Colby (ndrS, COURT STAFF) (Filed on 9/24/2015) (Entered: 09/24/2015)
09/24/2015	106	ORDER by Judge Haywood S. Gilliam, Jr. Granting 100 Motion for Pro Hac Vice for Marie-Theres DiFillippo (ndrS, COURT STAFF) (Filed on 9/24/2015) (Entered: 09/24/2015)
09/24/2015	107	ORDER by Judge Haywood S. Gilliam, Jr. Granting 101 Motion for Pro Hac Vice for Mark W. Halderman (ndrS, COURT STAFF) (Filed on 9/24/2015) (Entered: 09/24/2015)
09/25/2015	108	NOTICE of Appearance by Brandon Hugh Brown (Brown, Brandon) (Filed on 9/25/2015) (Entered: 09/25/2015)
09/25/2015	109	MOTION for leave to appear in Pro Hac Vice for Gregory S. Arovas (Filing fee $ 305, receipt number 0971-9867226.) filed by Samsung Electronics America Inc, Samsung Electronics Co Ltd. (Attachments: # 1 Online (Entered: 09/25/2015)
09/25/2015	110	MOTION to Expedite Hearing Date of Case Management Conference filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online, # 2 Online (Entered: 09/25/2015)
09/25/2015	111	MOTION for leave to appear in Pro Hac Vice for Todd Friedman (Filing fee $ 305, receipt number 0971-9867448.) filed by Samsung Electronics America Inc, Samsung Electronics Co Ltd. (Attachments: # 1 Online (Entered: 09/25/2015)
09/25/2015	112	MOTION for leave to appear in Pro Hac Vice for David Rokach (Filing fee $ 305, receipt number 0971-9867569.) filed by Samsung Electronics America Inc, Samsung Electronics Co Ltd. (Attachments: # 1 Online (Entered: 09/25/2015)
09/28/2015	113	ORDER by Judge Haywood S. Gilliam, Jr. Granting 110 Motion to Expedite Hearing Date of Case Management Conference. (ndrS, COURT STAFF) (Filed on 9/28/2015) (Entered: 09/28/2015)
09/28/2015		Reset Deadline/Hearing Pursuant to Docket No. 113 : : Case Management Statement due by 10/27/2015; Case Management Conference set for 11/3/2015 02:00 PM. (ndrS, COURT STAFF) (Filed on 9/28/2015) (Entered: 09/28/2015)
10/01/2015	114	ORDER by Judge Haywood S. Gilliam, Jr. Granting 109 Motion for Pro Hac Vice for Gregory S. Arovas (ndrS, COURT STAFF) (Filed on 10/1/2015) (Entered: 10/01/2015)
10/01/2015	115	ORDER by Judge Haywood S. Gilliam, Jr. Granting 111 Motion for Pro Hac Vice for Todd Friedman (ndrS, COURT STAFF) (Filed on 10/1/2015) (Entered: 10/01/2015)
10/01/2015	116	ORDER by Judge Haywood S. Gilliam, Jr. Granting 112 Motion for Pro Hac Vice for David Rokach (ndrS, COURT STAFF) (Filed on 10/1/2015) (Entered: 10/01/2015)
10/01/2015	117	Certificate of Interested Entities by Samsung Electronics America Inc, Samsung Electronics Co Ltd (Friedman, Todd) (Filed on 10/1/2015) (Entered: 10/01/2015)
10/01/2015	118	Certificate of Interested Entities by Samsung Electronics America Inc, Samsung Electronics Co Ltd (Friedman, Todd) (Filed on 10/1/2015) (Entered: 10/01/2015)
10/01/2015	119	MOTION to Stay Defendants' Motion to Stay Pending Inter Partes Review filed by Samsung Electronics America Inc, Samsung Electronics Co Ltd. Motion Hearing set for 11/5/2015 02:00 PM in Courtroom 15, 18th Floor, San Francisco before Hon. Haywood S Gilliam Jr.. Responses due by 10/15/2015. Replies due by 10/22/2015. (Attachments: # 1 Online, # 2 Online, # 3 Online, # 4 Online, # 5 Online, # 6 Online, # 7 Online, # 8 Online, # 9 Online, # 10 Online (Entered: 10/01/2015)
10/05/2015	120	Certificate of Interested Entities by IXI IP,LLC, IXI Mobile (R&D) Ltd. identifying Corporate Parent IXI Mobile, Inc. for IXI Mobile (R&D) Ltd.. (Coleman, Jennifer)

		(Filed on 10/5/2015) (Entered: 10/05/2015)
10/13/2015	121	Joint MOTION to Continue the Date of the Case Management Conference filed by Samsung Electronics America Inc, Samsung Electronics Co Ltd. (Attachments: # 1 Online (Entered: 10/13/2015)
10/14/2015	122	ORDER by Judge Haywood S. Gilliam, Jr. Granting (126 in case 3:15-cv-03754-HSG; 110 in case 3:15-cv-03755-HSG; 121 in case 3:15-cv-03752-HSG Motion to Continue the Date of the Case Management Conference. (ndrS, COURT STAFF) (Filed on 10/14/2015) (Entered: 10/14/2015)
10/14/2015		Set Deadline/Hearing: Case Management Statement due by 10/29/2015; Case Management Conference set for 11/5/2015 02:00 PM. (ndrS, COURT STAFF) (Filed on 10/14/2015) (Entered: 10/14/2015)
10/15/2015	123	NOTICE of need for ADR Phone Conference (ADR L.R. 3-5 d) (Picone, John) (Filed on 10/15/2015) (Entered: 10/15/2015)
10/15/2015	124	RESPONSE (re 119 MOTION to Stay Defendants' Motion to Stay Pending Inter Partes Review) filed byIXI IP,LLC, IXI Mobile (R&D) Ltd.. (Attachments: # 1 Online, # 2 Online, # 3 Online, # 4 Online, # 5 Online (Entered: 10/15/2015)
10/16/2015	125	ADR Clerk's Notice Setting ADR Phone Conference on November 3, 2015 at 10:00 AM Pacific time. Please note that you must be logged into an ECF account of counsel of record in order to view this document. (cmf, COURT STAFF) (Filed on 10/16/2015) (Entered: 10/16/2015)
10/16/2015	126	ADR Certification (ADR L.R. 3-5 b) of discussion of ADR options (Friedman, Todd) (Filed on 10/16/2015) (Entered: 10/16/2015)
10/22/2015	127	REPLY (re 119 MOTION to Stay Defendants' Motion to Stay Pending Inter Partes Review) filed bySamsung Electronics America Inc, Samsung Electronics Co Ltd. (Attachments: # 1 Online, # 2 Online (Entered: 10/22/2015)
10/26/2015	128	ADR Certification (ADR L.R. 3-5 b) of discussion of ADR options (Coleman, Jennifer) (Filed on 10/26/2015) (Entered: 10/26/2015)
10/29/2015	129	JOINT CASE MANAGEMENT STATEMENT filed by IXI IP,LLC, IXI Mobile (R&D) Ltd.. (Picone, John) (Filed on 10/29/2015) (Entered: 10/29/2015)
11/03/2015		ADR Remark: ADR Phone Conference held on 11/3/2015 with Tamara Lange. (cmf, COURT STAFF) (Filed on 11/3/2015) (Entered: 11/03/2015)
11/03/2015		ADR Remark: The further ADR Phone Conference date of 12/2/2015 at 9:30 AM discussed during the 11/3/2015 ADR Phone Conference with Tamara Lange is off calendar. (cmf, COURT STAFF) (Filed on 11/3/2015) (Entered: 11/03/2015)
11/05/2015	130	Minute Entry for proceedings held before Hon. Haywood S. Gilliam, Jr.: Motion Hearing and Case Management Conference held on 11/5/2015 (Time: 12 minutes).Court Reporter Name Pam Batalo. Plaintiff Attorney Thomas Biemer; John Picone. Defendant Attorney Todd Friedman; Jason Cook; Elizabeth Gillen; Jessica Hannah; Buzz Frahn; Patrick King. Defendants' motions to stay (docket no. 119 in case no. 15-3752, docket no. 121 in case no. 15-3754, and docket no. 106 in case no. 15-3755) are argued and submitted by the parties, and taken under submission by the Court.(This is a text minute entry, there is no document associated with this entry.)(ndrS, COURT STAFF) (Date Entered: 11/9/2015) Modified on 11/10/2015 to correct file date (ndrS, COURT STAFF). (Entered: 11/09/2015)
11/11/2015	131	TRANSCRIPT ORDER by IXI IP,LLC, IXI Mobile (R&D) Ltd. for Court Reporter Pam Batalo. (Picone, John) (Filed on 11/11/2015) (Entered: 11/11/2015)
11/12/2015	132	TRANSCRIPT ORDER by Samsung Electronics America Inc, Samsung Electronics Co Ltd for Court Reporter Pam Batalo. (Friedman, Todd) (Filed on 11/12/2015) (Entered: 11/12/2015)
11/12/2015	133	ORDER by Judge Haywood S. Gilliam, Jr. GRANTING(121 in case 3:15-cv-03754-HSG; 106 in case 3:15-cv-03755-HSG; and 119 in case 3:15-cv-03752-HSG MOTION TO STAY. (ndrS, COURT STAFF) (Filed on 11/12/2015) (Entered: 11/12/2015)
11/30/2015	134	Transcript of Proceedings held on 11/5/2015, before Judge Gilliam. Court Reporter Pamela A. Batalo, telephone number 626-688-7509; pamela_batalo@sbcglobal.net. Per General Order No. 59 and Judicial Conference policy, this transcript may be viewed only at the Clerk's Office public terminal or may be purchased through the Court Reporter/Transcriber until the deadline for the Release of Transcript Restriction. After that date it may be obtained through PACER. Any Notice of Intent to Request Redaction, if required, is due no later than 5 business days from date of this filing. (Re (121 in 3:15-cv-03755-HSG) Transcript Order) Redaction Request due 12/21/2015. Redacted Transcript Deadline set for 12/31/2015. Release of Transcript Restriction set for 2/29/2016. (Batalo, Pam) (Filed on 11/30/2015) (Entered: 11/30/2015)

12/28/2015	135	NOTICE of Change In Counsel by Aleksandr Korzh (Korzh, Aleksandr) (Filed on 12/28/2015) (Entered: 12/28/2015)
01/05/2016	136	Letter from Thomas S. Biemer on behalf of parties, providing joint status report. (Picone, John) (Filed on 1/5/2016) (Entered: 01/05/2016)
01/07/2016	137	ORDER CONTINUING STAY. Signed by Judge Haywood S. Gilliam, Jr. on 1/7/2016. (ndrS, COURT STAFF) (Filed on 1/7/2016) (Entered: 01/07/2016)
12/28/2016	138	Letter from John V. Picone, III re Update on IPR. (Picone, John) (Filed on 12/28/2016) (Entered: 12/28/2016)

US District Court Civil Docket

U.S. District - California Northern
(San Francisco)

3:15cv3754

Ixi Mobile (R&D) Ltd. et al v. Blackberry Limited et al

This case was retrieved from the court on Monday, February 27, 2017

Date Filed:	08/17/2015
Assigned To:	Honorable Haywood S Gilliam, Jr
Referred To:	
Nature of suit:	Patent (830)
Cause:	Patent Infringement
Lead Docket:	None
Other Docket:	3:15cv03752 New York Southern, 1:14-cv-04428
Jurisdiction:	Federal Question
Class Code:	OPEN
Closed:	
Statute:	35:145
Jury Demand:	Both
Demand Amount:	$0
NOS Description:	Patent

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Defendant

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