an access server comprising a processor circuit and a computer readable medium in communication with the processor circuit, the computer readable medium encoded with codes for directing the processor circuit of the access server to:

receive the access code request message from the wireless apparatus;

communicate with the routing controller to obtain from the routing controller the access code wherein the access code identifies a communications channel associated with the location identifier and wherein the access code is useable by the wireless apparatus to cause the routing controller to establish a call to the destination node using the communications channel; and

transmit the access code reply message to the wireless apparatus.

50. **(Currently amended)** A non-transitory computer readable medium having stored thereon computer executable codes for directing a processor circuit of a wireless device to establish communications with a destination node on a network, the codes comprising codes for directing the processor circuit to:

cause the wireless device to receive from a user of the wireless device a destination node identifier associated with the destination node;

cause the wireless device to transmit an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device;

cause the wireless device to receive an access code reply message comprising an Internet Protocol (IP) address from the access server in response to the access code request message, the access code reply message including an access code based on the location identifier in the access code request message, the access code identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, the access code being distinct from the destination node identifier; and

cause the wireless device to use the access code to establish communications between the wireless device and the destination node through the communications channel identified by the access code.

51. (Previously presented) A method for enabling a wireless device to establish communications with a destination node, the method comprising:

receiving from the wireless device an access code request message including a destination node identifier associated with the destination node and a location identifier identifying a geographical location of the wireless device;

in response to receiving the access code request message, causing a routing controller to produce an access code identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, wherein the access code is produced based on the location identifier of the access code request message received from the wireless device and wherein the access code is useable by the wireless device to initiate communications with the destination node through the communications channel; and

transmitting an access code reply message including the access code to the wireless device.

52. (Original) The method of claim 51, wherein receiving comprises receiving the access code request message on a non-voice network.

53. (Original) The method of claim 51, wherein receiving the access code request message comprises receiving the access code request message as a Short Messaging Service (SMS) message.

54. (Original) The method of claim 51, wherein receiving comprises receiving the access code request message on a voice network.

55. (Original) The method of claim 54, wherein receiving the access code request message on a voice network comprises receiving the access code request message as a Short Messaging Service (SMS) message.

56. (Original) The method of claim 51, wherein the routing controller is operably configured to route a call between the wireless device and the destination node when the wireless

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device uses the access code to establish communications between the wireless device and the destination node.

57. (Original) The method of claim 51, wherein causing the routing controller to produce the access code comprises causing the access code to be selected from a pool of access codes.

58. (Original) The method of claim 57 further comprising determining from the location identifier a local calling area associated with the wireless device and causing the access server to select an access code associated with a calling area matching the local calling area associated with the wireless device.

59. (Original) The method of claim 57, further comprising accessing a location field of a dialing profile associated with the wireless device when a local calling area cannot be determined from the location identifier and determining a local calling area associated with the wireless device from the contents of the location field and selecting an access code associated with a calling area matching the local calling area associated with the wireless device.

60. (Original) The method of claim 51, wherein the location identifier comprises an Internet Protocol (IP) address of the wireless device in a wireless IP network.

61. (Original) The method of claim 51, wherein the location identifier comprises an identifier of a wireless voice signal station in wireless communication with the wireless device.

62. (Original) The method of claim 51, wherein the location identifier comprises a user-configured identifier of a location associated with the wireless device.

63. (Original) The method of claim 57, wherein at least one of the access codes in the pool of access codes identifies an IP network address as a possible communications channel through which the communications can be conducted.

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64. **(Currently amended)** The method of claim ~~63~~ 51, wherein the access code identifies an IP network address as a possible communications channel through which the communications can be conducted, the method further comprising enabling communications between the wireless device and the destination node to be established through an IP network in response to a call received at the IP network address from the wireless device using the access code identifying the IP network address.

65. (Original) The method of claim 57, wherein at least one of the access codes identifies a telephone number as a possible communications channel through which the communications can be conducted.

66. (Original) The method of claim 65, further comprising enabling communications between the wireless device and the destination node to be established through a public switched telephone network (PSTN) in response to a call received at the telephone number from the wireless device using the access code identifying the telephone number.

67. (Original) The method of claim 51, wherein the access code request message includes a caller identifier and wherein the method further comprises associating the caller identifier included in the access code request message with the access code produced by the routing controller.

68. (Original) The method of claim 64, further comprising enabling the routing controller to facilitate communications in response to use of the access code by the wireless device only if the caller identifier associated with the access code used by the wireless device to establish communications with the destination node identifies the wireless device.

69. (Original) The method of claim 67, further comprising associating the destination node identifier included in the access code request message with the access code produced by the routing controller.

70. (Original) The method of claim 69, wherein the associating the caller identifier and the destination node identifier with the selected access code occurs only when:

a) the access code is not already associated with a destination node identifier; or

b) the access code is already associated with another destination node identifier, and a timeout value associated with the another destination node identifier has expired.

71. (Original) The method of claim 51, further comprising causing a timestamp to be associated with the access code, for use in determining when the usability of the access code to initiate a call to the destination node will expire, and causing the timestamp to be included in the access code reply message transmitted to the wireless device.

72. (Original) The method of claim 70, further comprising causing communications to be permitted between the wireless device and the destination node when the wireless device seeks to establish a call to the destination node using the access code transmitted in the access code reply message when the timestamp associated with the access code indicates the usability of the access code has not expired, and causing the communications to be prevented when the timestamp indicates the usability of the access code has expired.

73. (Original) The method of claim 51, wherein transmitting comprises transmitting the access code reply message on a non-voice network.

74. (Original) The method of claim 51, wherein transmitting the access code reply message comprises transmitting the access code reply message as a Short Messaging Service (SMS) message.

75. (Original) The method of claim 51, wherein transmitting comprises transmitting the access code reply message on a voice network.

76. (Original) The method of claim 75, wherein transmitting the access code reply message on a voice network comprises transmitting the access code reply message as a Short Messaging Service (SMS) message.

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77. (Previously presented) An apparatus for enabling a wireless device to establish communications with a destination node, the apparatus comprising:

means for receiving from the wireless device an access code request message including a destination node identifier associated with the destination node and a location identifier identifying a geographical location of the wireless device;

means for causing a routing controller to produce an access code identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, in response to receiving the access code request message, such that the access code is produced based on the location identifier of the access code request message received from the wireless device and such that the access code is useable by the wireless device to initiate communications with the destination node through the communications channel; and

means for transmitting an access code reply message including the access code to the wireless device.

78. (Original) The apparatus of claim 77, wherein the means for receiving comprises a non-voice network interface for receiving the access code request message on a non-voice network.

79. (Original) The apparatus of claim 77, wherein the means for receiving the access code request message comprises means for receiving the access code request message as a Short Messaging Service (SMS) message.

80. (Original) The apparatus of claim 77, wherein the means for receiving comprises means for receiving the access code request message on a voice network.

81. (Original) The apparatus of claim 80, wherein the means for receiving the access code request message on a voice network comprises means for receiving the access code request message as a Short Messaging Service (SMS) message.

82. (Original) The apparatus of claim 77, further comprising the routing controller and wherein routing controller is operably configured to route a call between the wireless device and the destination node.

83. (Original) The apparatus of claim 82, wherein the routing controller is operably configured to select the access code from a pool of access codes.

84. (Original) The apparatus of claim 83, wherein the routing controller is operably configured to determine a local calling area associated with the wireless device from the location identifier and to select an access code associated with a calling area matching the local calling area associated with the wireless device.

85. (Original) The apparatus of claim 83, further comprising:

a dialing profile associated with the wireless device, the dialing profile including a location field; and

wherein the routing controller is operably configured to determine a local calling area associated with the wireless device from the contents of the location field and to select an access code associated with a calling area matching the local calling area associated with the wireless device, when a local calling area associated with the wireless device cannot be determined from the location identifier.

86. (Original) The apparatus of claim 77, wherein the location identifier includes an Internet Protocol (IP) address of the wireless device in a wireless IP network.

87. (Original) The apparatus of claim 77, wherein the location identifier includes an identifier of a wireless voice signal station in wireless communication with the wireless device.

88. (Original) The apparatus of claim 77, wherein the location identifier includes a user-configured identifier of a location associated with the wireless device.

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89. (Original) The apparatus of claim 83, wherein at least one of the access codes in the pool of access codes identifies an IP network address as a possible communications channel through which the communications can be conducted.

90. **(Currently amended)** The apparatus of claim ~~89~~ 77, wherein the access code identifies an IP network address as a possible communications channel through which the communications can be conducted, and wherein the routing controller is operably configured to enable communications between the wireless device and the destination node to be established through an IP network in response to a call received at the IP network address from the wireless device using the access code identifying the IP network address.

91. (Original) The apparatus of claim 83, wherein at least one of the access codes in the pool of access codes identifies a telephone number as a possible communications channel through which the communications can be conducted.

92. (Original) The apparatus of claim 91, wherein the routing controller is operably configured to enable communications between the wireless device and the destination node to be established through a public switched telephone network (PSTN) in response to a call received at the telephone number from the wireless device using the access code identifying the telephone number.

93. (Original) The apparatus of claim 83, wherein the access code request message includes a caller identifier and wherein the routing controller is operably configured to associate the caller identifier with the selected access code.

94. (Original) The apparatus of claim 93, wherein the routing controller is operably configured to facilitate communications between the wireless device and the destination node in response to use of the access code by the wireless device only if the caller identifier associated with the access code used by the wireless device to establish communications with the destination node identifies the wireless device.

95. (Original) The apparatus of claim 93, wherein the routing controller is operably configured to associate the destination node identifier included in the access code request message with the selected access code.

96. (Original) The apparatus of claim 95, wherein the routing controller is operably configured to associate the caller identifier and the destination node identifier with the selected access code only when:

a) the access code is not already associated with a destination node identifier; or

b) the access code is already associated with another destination node identifier, and a timeout value associated with the another destination node identifier has expired.

97. (Original) The apparatus of claim 82, wherein the routing controller is operably configured to associate a timestamp with the access code, for use in determining when the usability of the access code to initiate a call to the destination node will expire, and to cause the timestamp to be included in the access code reply message transmitted to the wireless device.

98. (Original) The apparatus of claim 97, wherein the routing controller is operably configured to enable communications to be established between the wireless device and the destination node when the wireless device seeks to establish a call to the destination node using the access code transmitted in the access code reply message when the timestamp associated with the access code indicates the usability of the access code has not expired and to prevent the communications from being established when the timestamp indicates the usability of the access code has expired.

99. (Original) The apparatus of claim 77, wherein the means for transmitting comprises a non-voice network interface for transmitting the access code reply message on a non-voice network.

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100. (Original) The apparatus of claim 77, wherein the means for transmitting the access code reply message comprises means for transmitting the access code reply message as a Short Messaging Service (SMS) message.

101. (Original) The apparatus of claim 77, wherein the means for transmitting comprises means for transmitting the access code reply message on a voice network.

102. **(Currently amended)** The apparatus of claim ~~77~~ 101, wherein the means for transmitting ~~for~~ the access code reply message on a voice network comprises means for transmitting the access code reply message as a Short Messaging Service (SMS) message.

103. (Previously presented) An apparatus for enabling a wireless device to establish communications with a destination node, the apparatus comprising:

a processor circuit including at least one processor;

a network interface in communication with the processor circuit; and

a non-transitory computer readable medium having stored thereon computer executable codes for directing the at least one processor to:

receive from the wireless device an access code request message including a destination node identifier associated with the destination node and a location identifier identifying a geographical location of the wireless device;

cause a routing controller to produce an access code identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, in response to receiving the access code request message, such that the access code is produced based on the location identifier of the access code request message received from the wireless device and such that the access code is useable by the wireless device to initiate communications with the destination node through the communications channel; and

transmit an access code reply message including the access code to the wireless device.

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104. (Original) The apparatus of claim 103, wherein the network interface comprises a non-voice network interface, and wherein the codes for directing the processor circuit to receive include codes for directing the processor circuit to cause the access code request message to be received using the non-voice network interface on a non-voice network.

105. (Original) The apparatus of claim 103, wherein the codes includes codes for directing the processor circuit to receive the access code request message as a Short Messaging Service (SMS) message.

106. (Original) The apparatus of claim 103, wherein the codes include codes for directing the processor circuit to receive the access code request message on a voice network.

107. (Original) The apparatus of claim 106, wherein the codes include codes for directing the processor circuit to receive the access code request message as a Short Messaging Service (SMS) message.

108. (Original) The apparatus of claim 103 further comprising the routing controller.

109. **(Currently amended)** The apparatus of claim 108, wherein the routing controller is operably configured to cause the access code to be selected from a pool of access codes, wherein none of the ~~each~~ access codes in the pool of access codes identifies a respective telephone number.

110. (Original) The apparatus of claim 109, wherein the routing controller is operably configured to determine from the location identifier a local calling area associated with the wireless device and to select an access code associated with a calling area matching the local calling area associated with the wireless device.

111. (Original) The apparatus of claim 109, wherein the routing controller is operably configured to access a location field of a dialing profile associated with the wireless device when a local calling area cannot be determined from the contents of the location identifier and to determine a local calling area associated with the wireless device from the contents of the

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location field and to select an access code associated with a calling area matching the local calling area associated with the wireless device.

112. (Original) The apparatus of claim 103, wherein the location identifier comprises an Internet Protocol (IP) address of the wireless device in a wireless IP network.

113. (Original) The apparatus of claim 103, wherein the location identifier comprises an identifier of a wireless voice signal station in wireless communication with the wireless device.

114. (Original) The apparatus of claim 103, wherein the location identifier comprises a user-configured identifier of a location associated with the wireless device.

115. (Original) The apparatus of claim 109, wherein at least one of the access codes in the pool of access codes identifies an IP network address as a possible communications channel through which the communications can be conducted.

116. (**Currently amended**) The apparatus of claim ~~115~~ 103, wherein the access code identifies an IP network address as a possible communications channel through which the communications can be conducted, and wherein the routing controller is operably configured to enable communications between the wireless device and the destination node to be established through an IP network in response to a call received at the IP network address from the wireless device using the access code identifying the IP network address.

117. (**Currently amended**) The apparatus of claim 108, wherein the routing controller is operably configured to cause the access code to be selected from a pool of access codes, and wherein at least one of the access codes in the pool of access codes identifies a telephone number as a possible communications channel through which the communications can be conducted.

118. (Original) The apparatus of claim 117, wherein the routing controller is operably configured to enable communications between the wireless device and the destination node to be established through a public switched telephone network (PSTN) in response to a call

received at the telephone number from the wireless device using the access code identifying the telephone number.

119. **(Currently amended)** The apparatus of claim ~~109~~ 108, wherein the access code request message includes a caller identifier and wherein the routing controller is operably configured to associate the caller identifier included in the access code request message with ~~the selected~~ an access code selected by the routing controller.

120. **(Currently amended)** The apparatus of claim 119, wherein the routing controller is operably configured to facilitate communications between the wireless device and the destination node in response to the access ~~node~~ code used by the wireless device only if the caller identifier associated with the access code used by the wireless device to establish communications with the destination node identifies the wireless device.

121. (Original) The apparatus of claim 119, wherein the routing controller is operably configured to associate the destination node identifier included in the access code request message with the selected access code.

122. (Original) The apparatus of claim 121, wherein the routing controller is operably configured to associate the caller identifier and the destination node identifier with the selected access code only when:

a) the access code is not already associated with another destination node identifier; or

b) the access code is already associated with a destination node identifier, and a timeout value associated with the another destination node identifier has expired.

123. (Original) The apparatus of claim 122, wherein the routing controller is operably configured to associate a timestamp with the access code, for use in determining when the usability of the access code to initiate a call to the destination node will expire, and to cause the timestamp to be included in the access code reply message.

124. **(Currently amended)** The apparatus of claim ~~123~~103, wherein the routing controller is operably configured to enable communications to be established between the wireless device and the destination node when the wireless device seeks to establish a call to the destination node using the access code transmitted in the access code reply message when ~~the~~ a timestamp associated with the access code indicates ~~the~~ that usability of the access code has not expired and to prevent the communications from being established when the timestamp indicates that the usability of the access code has expired.

125. (Original) The apparatus of claim 103, wherein the network interface comprises a non-voice network interface, and wherein codes for directing the processor circuit to transmit include codes for directing the processor circuit to cause the access code reply message to be transmitted using the non-voice network interface on a non-voice network.

126. (Original) The apparatus of claim 103, wherein the codes include codes for directing the processor circuit to cause the access code reply message to be transmitted as a Short Messaging Service (SMS) message.

127. (Original) The apparatus of claim 103, wherein the codes include codes for directing the processor circuit to cause the access code reply message to be transmitted on a voice network.

128. (Original) The apparatus of claim 127, wherein the codes include codes for directing the processor circuit to cause the access code reply message to be transmitted as a Short Messaging Service (SMS) message.

129. **(Currently amended)** A non-transitory computer readable medium encoded with computer executable codes for directing a processor circuit of a wireless device to establish communications with a destination node, the codes comprising codes for directing the processor circuit to:

receive from the wireless device an access code request message including a destination node identifier associated with the destination node and a location identifier identifying a geographical location of the wireless device;

cause a routing controller to produce an access code comprising an Internet Protocol (IP) network address identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, in response to receiving the access code request message, such that the access code is produced based on the location identifier of the access code request message received from the wireless device and such that the access code is useable by the wireless device to initiate communications with the destination node through the communications channel; and

transmit an access code reply message including the access code to the wireless device.

130. **(Currently amended)** A method of operating an apparatus for enabling a wireless device to establish communications with a destination node, the method comprising:

receiving from the wireless device a request message including a destination node identifier associated with the destination node and a location identifier associated with a geographical location of the wireless device, wherein the location identifier comprises an Internet Protocol (IP) address associated with the wireless device;

in response to receiving the request message, producing an access code identifying an Internet Protocol (IP) address associated with a gateway through which communications between the wireless device and the destination node can be conducted, wherein the access code is produced based on the location identifier received from the wireless device, wherein the access code is useable by the wireless device to initiate communications with the destination node through the gateway; and

transmitting a reply message including the access code to the wireless device.

131. (Previously presented) The method of claim 130 wherein the access code is produced based on the destination node identifier.

132. (Previously presented) The method of claim 131 wherein the destination node identifier comprises a phone number associated with the destination node.

133. (Previously presented) The method of claim 130 further comprising, if the destination node is a PSTN telephone on the public switched telephone network (PSTN), establishing communications from the wireless device to a communications supplier gateway operable to connect to the PSTN telephone via the public switched telephone network (PSTN).

134. (Previously presented) The method of claim 51, wherein causing the routing controller to produce the access code further comprises:

determining, from the location identifier, a current location of the wireless device; and

searching an access code association database table to identify an access code associated with the current location of the wireless device but not presently associated with communications to any destination node, to produce the access code transmitted in the access code reply message.

135. (Previously presented) The method of claim 1 wherein the access code request message is transmitted from the wireless device via a WiFi network and the access code reply message is received by the wireless device via the WiFi network.

136. (Previously presented) The method of claim 1, wherein the destination node identifier and the location identifier are transmitted at the same time.

137. (Previously presented) The method of claim 51, wherein the access code is based on an area code corresponding with a location identified by the location identifier.

138. **(New)** The method of claim 51, wherein the access code reply message identifies an Internet Protocol (IP) network address of the communications channel through which the communications can be conducted, wherein the access code is useable by the wireless device to initiate the communications with the destination node through the communications channel.

139. **(New)** The apparatus of claim 103, wherein the access code reply message identifies an Internet Protocol (IP) network address associated with the communications channel

through which the communications can be conducted, wherein the Internet Protocol (IP) network address is useable by the wireless device to initiate the communications with the destination node through the communications channel.

140. **(New)** The method of claim 1, further comprising:

(a) receiving, in the access code reply message, an Internet Protocol (IP) address; and

(b) establishing the communications between the wireless device and the destination node based on the Internet Protocol (IP) address received in the access code reply message.

141. **(New)** The method of claim 1, wherein the access code received in the access code reply message does not comprise a telephone number.

SUMMARY OF INTERVIEW

Attendees, Date and Type of Interview

The personal interview was conducted on November 30, 2017 and attended by Examiner M. Mostazir Rahman, and Applicant's representative, John M. Carson, Reg. No. 34,303. Included via telephone were Raimond Salenieks, Reg. No. 37,924 and David Gileff, Reg. No. 56,494.

Identification of Claims Discussed

Independent Claims 1, 51 and 130, and dependent Claim 63 were discussed

Identification of Cited/Disclosed Art Discussed

D'Evelyn et al., U.S. PG Publication No. 2006/0109960

Proposed Amendments

The Examiner proposed an amendment for Claim 130.

Principal Arguments and Other Matters

The applied references do not disclose all the elements of the claims.

Results of Interview

No agreement was reached as to the patentability of the claims. Applicant will amend Claim 130 in the formal reply as proposed during the interview.

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REMARKS

In response to the Office Action dated August 28, 2017, and following an Interview dated November 30, 2017, in the present paper, no claims are canceled, Claims 50, 64, 90, 102, 109, 116, 117, 119, 120, 124, 129 and 130 have been amended, and new dependent Claims 138-141 have been added. Support for the amended and new claims is found, e.g., in the previous like-numbered claims, and also in paras. [0124], [0139]-[0141], [0147], [0159]-[0168], [0170], [0180]-[0192] and Figures 1, 3-5, 7-8, and 10-12 of the published application.

Following the Interview, Applicant reiterates its position that the cited references fail to disclose the subject-matter of the claims individually or in combination, and thus the claim amendments made herein, were not made to overcome the cited art. In other words, Applicant does not concede that this amendment is necessary to distinguish over the cited art and respectfully reserves the right to appeal the present rejections, on the basis of being improper.

Thus, Claims 1-141 are pending, and favorable consideration thereof is respectfully requested. Claims 1, 20, 38, 50, 51, 77, 103, 129 and 130 are the independent claims.

Information Disclosure Statements

Applicant thanks the Examiner for reviewing the Information Disclosure Statements submitted previously and for considering the referenced listed therein. However, Applicant respectfully submits that the two Information Disclosure Statements filed on October 20, 2016 have not yet been acknowledged.

Previous Rejections Withdrawn

Applicant thanks the Examiner for withdrawing the rejections under 35 U.S.C. § 112.

Interview

Applicant thanks the Examiner for the interview on November 30, 2017. No agreement was reached as to the patentability of the claims, thus Applicant submits these further remarks. Applicant respectfully reiterates that the cited references fail to disclose the subject-matter of the

claims individually or in combination. Moreover, the Examiner overlooked and did not respond to some of the Applicant's previous arguments to this effect, as explained below.

Discussion of Claim Rejections under 35 U.S.C. §103(a)

Claims 1-137 have been rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Albina et al. (US 20080056235 A1; hereinafter, "Albina") in view of Fukasaku et al. (US 20090017842 A1; hereinafter, "Fukasaku"), and in further view of D'Evelyn et al. (US 20060109960 A1; hereinafter, "D'Evelyn").

The standard for obviousness has been addressed by the Supreme Court in *KSR International Co. v. Teleflex Inc.* 127 S. Ct. 1727 (2007) (hereinafter, "KSR"). In *KSR*, the Supreme Court affirmed that the factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1 (1966), form the basis of the obviousness inquiry. Accordingly, obviousness is a question of law based on underlying factual inquiries. The *Graham* factual inquiries are: (1) determining the scope and content of the prior art; (2) ascertaining the differences between the claimed invention and the prior art; (3) resolving the level of ordinary skill in the pertinent art; and (4) considering objective evidence indicating obviousness or non-obviousness.

With reference to at least the second *Graham* factual inquiry, Applicant respectfully submits that important differences exist between the claimed invention and the cited prior art, as will be explained below, and in view of these differences, it is respectfully submitted that the cited prior art references do not provide a proper basis for a rejection under 35 U.S.C. § 103(a).

The Court in *KSR* also indicated that a proper finding of obviousness requires an explicit analysis based on an "apparent reason to combine the known elements *in the fashion* claimed by the patent at issue", and has warned against basing such an analysis on hindsight. *KSR*, pp. 14 and 17.

Applicant respectfully submits that the current Office Action fails to recognize that D'Evelyn's teaching regarding the retrieval and verification of emergency response information, both (1) fails to provide the missing claim elements for which it has been cited, and (2) is inapplicable to (or incompatible with) the Examiner's combination of Albina and Fukasaku unless significant modifications or adaptations are made to D'Evelyn's teaching. It is unclear what modifications and adaptations would be required to D'Evelyn's teachings in order to produce a system that works *in the fashion* claimed by Applicant, and the Examiner has provided

no explanation in this regard. Nor is there any *reason* to make such modifications, especially given that D'Evelyn is trying to solve a completely different problem than both Albina and Fukasaku. Thus, the obviousness rejection appears to be incomplete and based on hindsight.

Independent Claims 1 and 51

Independent Claims 1 and 51, neither of which has been amended, recite:

1. (Previously presented) A method of establishing communications between a wireless device and a destination node of a communications network, the method comprising:

receiving from a user of the wireless device a destination node identifier associated with the destination node;

transmitting an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device;

receiving an access code reply message from the access server in response to the access code request message, the access code reply message including an *access code based on the location identifier in the access code request message*, the access code identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, the access code being distinct from the destination node identifier; and

establishing communications between the wireless device and the destination node through the channel identified by the access code.

[emphasis added]

51. (Previously presented) A method for enabling a wireless device to establish communications with a destination node, the method comprising:

receiving from the wireless device an access code request message including a destination node identifier associated with the destination node and a location identifier identifying a geographical location of the wireless device;

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in response to receiving the access code request message, causing a routing controller to produce an access code identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, wherein the access code is produced *based on the location identifier of the access code request message* received from the wireless device and wherein *the access code is useable by the wireless device to initiate communications with the destination node* through the communications channel; and

transmitting an access code reply message including the access code to the wireless device.

[emphasis added]

Claim 51 has been rejected "for the same reason as set forth in claim 1": OA at 38. While only Claims 1 and 51 are quoted above, independent Claims 20, 38, 50, 77, 103, 129 and 130 recite similar claim elements, therefore the arguments below will apply *mutatis mutandis*.

D'Evelyn

Referring to independent **Claim 1**, the Examiner acknowledges that the combination of Albina and Fukasaku "does not explicitly disclose: the access code reply message including an access code based on the location identifier in the access code request message." [emphasis in original]. *See* Office Action at 9. **Claim 51** includes similar language as follows: "producing an access code... wherein the access code is produced based on the location identifier of the access code request message received from the wireless device".

To provide this missing claim element, the Examiner relies on D'Evelyn, citing only the Abstract and para. [0068]. However, neither passage, nor anything else in the reference discloses the above-mentioned missing claim element. D'Evelyn fails to specify an "access code reply message including an *access code based on the location identifier* in the access code request message," that is used for "establishing communications through the channel identified by the access code," as recited in Claim 1. D'Evelyn also fails to specify, "produc[ing] an access code identifying a communications channel... *based on the location identifier of the access code request message* received from the wireless device and wherein *the access code is useable by the*

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wireless device to initiate communications with the destination node through the communications channel," as recited in Claim 51.

D'Evelyn teaches how to retrieve and provide emergency response information to a human user for verification; however, the nature of this information and the manner of its presentation to the communication device make clear that: (1) the information is *not* an "access code" that was requested in an "access code request message" or provided in an "access code reply message," as recited in Applicant's claims; and (2) the information is not used—and is *not useable*—by the calling device to establish communications to the destination node, in the manner recited in Applicant's claims, as further explained below.

First, the main problem addressed by D'Evelyn is *not* how to establish an emergency call, nor even how to obtain location data of a communication device; rather, the problem is how to "insure **accuracy** of the data". Id. at [0004]. As D'Evelyn explains:

> "It does no one any good to dispatch emergency aid to the wrong location. Further, there are now standards as to the accuracy of the determined location of a mobile device. There is, however, no efficient manner in which to verify location and other data that is delivered to the emergency service operator." *Id.*

Consequently, D'Evelyn's invention provides location and other emergency response information associated with a communication device to a human user of the communication device for verification. *See* para. [0002]; *see also* the D'Evelyn patent's title ("System And Method For Unilateral Verification Of Caller Location Information"); abstract ("A system and method for members of the public to retrieve and verify the accuracy of emergency response information that is associated with a communication device and would be utilized in an emergency services network should the device be used to summon emergency services.")

Given that D'Evelyn is directed to a problem that is completely different than the problems addressed by Albina and/or Fukasaku, a skilled person in the field of the invention would not look to D'Evelyn when trying to improve the method of Albina and/or Fukasaku. *Interconnect Planning Corporation v. Feil* 774 F.2d 1132, 1143 (1985), "Not only must the claimed invention as a whole be evaluated, but so also must the references as a whole, so that their teachings are applied in the context of their significance to a technician at the time—a technician without our knowledge of the solution." [emphasis added]

Second, the information provided by D'Evelyn's method is formatted for consumption by *human beings*, not for communication *devices*. Thus, it is not used, nor meant to be "[used] by [a] wireless device to initiate communications with the destination node...," as recited in Claim 51; nor is the information, as presented to the communication device, capable of "establishing communications," in the manner specifically recited in Claim 1, as will be explained below.

D'Evelyn's expressly states that an aspect of the invention is that the emergency response information is "***translated*** into *human-understandable form* and conveyed *to the* ***user*** of the communication device... The human-understandable form may be text on a text display, graphics on a graphics display (such as a map) or audio information." (para. [0006]). For example, the emergency response information may be "formatted into speech" to help the user verify that the information is correct, or if not, to correct it: paras. [0058]-[0059]. *See also* para. [0076]: "Retrieval system 130 then forwards location data... back to VoIP communications device 710... either verbally or graphically". Indeed, D'Evelyn describes a comprehensive IVR ("interactive voice response") system (e.g., *see* Figures 9A-9C) which not only provides the information to the user in human-understandable form, but also solicits user feedback and input as follows:

> Additionally, and in accordance with another aspect of this invention, a user may add, delete or otherwise edit any or all of the emergency response information. Retrieval system 130 may be programmed to receive changes to fields in the emergency response information in a manner that is appropriate to the type of communications device 110. For purposes of this explanation of this exemplary embodiment, retrieval system 130 comprises an interactive voice recognition system. ... In this exemplary embodiment, the interactive voice response system prompts the user of communications device 110 for any changes and the user speaks or keys in the correct information. (paras. [0031]-[0032])
>
> At 938 of FIG. 9C, the emergency response information is presented to the consumer, who is prompted to confirm whether it is accurate. (para. [0088]).
>
> As a further alternative, the emergency response information may be presented to users via a human-understandable website produced by a web server (para. [0044]).

A skilled person would appreciate that the format of the "emergency response information" is not even suitable for use by a communication device to place calls. For example,

if the information is formatted as speech or graphics (as discussed above), it becomes impractical or unreliable to convert this information into a machine-useable form (e.g., by speech recognition or by analyzing visual data, or by performing optical character recognition on a graphic image). Thus, even if one argued that the "emergency response information" comprised an "access code", it would *not* be an "access code [that] is useable by the wireless device in a subsequent communication to cause the routing controller to establish a call to the destination node using the communications channel," as recited in Applicant's Claim 51, nor could it be used to "establish communications" by identifying a channel in the manner recited in Applicant's Claim 1.

Third, there is no evidence indicating that D'Evelyn's "emergency response information" is ever used ***by the communication device itself*** to actually place a call:

(a) D'Evelyn teaches that an emergency call is placed by dialing an "emergency services number (e.g., '9-1-1' in the United States and Canada)." But dialing the emergency services number does not entail returning any of the "emergency response information" to the calling device; rather, the "emergency response information" is conveyed directly to a "public safety answering point (PSAP) 116": see paras. [0024], [0072]. D'Evelyn's patent discloses a special test/verification feature whereby a user can verify *what* information is being sent to the PSAP, but this feature is not used when placing a *real* emergency call (e.g., by dialing 9-1-1). See paras. [0028], [0035], [0049]. In any event, Applicant's claims do not recite sending an "access code reply message" with an "access code based on the location identifier in the access code request message" to the *destination node* (e.g., PSAP), thus this functionality is irrelevant to the claims.

(b) D'Evelyn does not teach that the special test/verification feature can be invoked during a regular call to a destination. Rather, to invoke the special test/verification feature, the user "dials a special number (e.g., a predefined 10 digit number or an abbreviated number such as 9-2-2". See para. [0057]; see also paras. [0065] ("MSC 514 is programmed to recognize a special numbering sequence, such as a specially-designated, standard ten-digit telephone number or an abbreviated number such as 9-2-2, to access retrieval system 130, and to perform special call processing."), [0068] "MPC 514 is programmed to recognize the special dialing sequence using a feature

request code or a trigger in Intelligent Network (IN) technology" and "SCP, HLR or both are programmed to recognize the special numbering sequence as indicating a request to retrieve and verify emergency response information and to respond accordingly."), [0073] and [0077] ("The user of VoIP communications device 710 dials a special 10-digit number, or, alternatively, an abbreviated number (such as 9-2-2)." See also "Dial Special Number" (cited as 402 in Figure 4, 602 in Figure 6, and 802 in Fig. 8A) Given that the only way to invoke D'Evelyn's test/verification feature is by dialing a special designated number, it appears that ***one cannot use this feature when dialing a regular telephone number***. If the Examiner disagrees, he is respectfully requested to prove this point by specific reference to D'Evelyn. On the other hand, if the Examiner agrees, then D'Evelyn's teaching cannot be combined with the other cited references to provide the subject-matter of Applicant's claims, thus the rejection should be withdrawn.

Fourth, even if the Examiner's reliance on D'Evelyn was proper (for the sake of argument), he has not adequately explained his rejection as per 37 C.F.R. § 1.104 (c)(2):

> In rejecting claims for want of novelty or for obviousness, the examiner must cite the best references at his or her command. When a reference is complex or shows or describes inventions other than that claimed by the applicant, the particular part relied on must be designated as nearly as practicable. The pertinence of each reference, if not apparent, must be *clearly* explained and each rejected claim specified. [37 C.F.R. § 1.104 (c)(2)] [emphasis added]

The Examiner provides no explanation for *how* D'Evelyn's teaching (or even what part of D'Evelyn's teaching) would be integrated into the proposed combination of references. It is not clear why the Examiner has cited D'Evelyn as the reference appears to be marginally relevant. If the Examiner has specific modifications to Albina in mind or relies on specific assumptions, these should be explicitly stated. See *KSR*, pp. 14 and 17. Even if somehow it were possible to use a modified version of D'Evelyn's method to return, say, location data to the calling phone in Albina, this would be, at best, the delivery of location information to the calling phone, but would not be a disclosure of an "access code *based on the location identifier* in the access code request message," that is used in the manner recited in Applicant's claims. In short, the Examiner's

reliance on D'Evelyn appears to be misguided, since the teaching does not integrate in any obvious manner with Albina or Fukasaku to provide the subject-matter of Applicant's claims. In any event, the Examiner has not explained how the references would be combined.

The Examiner has not borne the burden of describing how and why the references would be combined in the fashion claimed by Applicant, and instead, in relying on D'Evelyn, has provided only cursory notes which appear to be guided by Applicant's claims. The Supreme Court, in *KSR Int'l Co. v. Teleflex Inc.*, 550 U.S. 398 (2007) ("*KSR*"), indicated that a finding of obviousness requires an explicit analysis based on an "apparent reason to combine the known elements *in the fashion claimed* by the patent at issue", and to provide "a reason that would have prompted a person of ordinary skill in the relevant field to combine the elements *in the way the claimed* new invention does," but warned of the need to guard against falling prey to "hindsight bias [and] *ex post* reasoning." *KSR*, 550 U.S. at 401-403, 421; see also *Innogenetics, N.V. v. Abbott Laboratories*, 512 F.3d 1363 n.3 ("be careful not to allow hindsight reconstruction").

For all the foregoing reasons, Applicant respectfully submits that Albina, Fukasaku and D'Evelyn whether individually or in combination, fails to provide the subject-matter of Claims 1 or 51. Furthermore, it is submitted that the rejection fails to meet the rigorous standards of both 37 C.F.R. § 1.104 (c)(2) and *KSR*, and therefore should be withdrawn.

Fukasaku

Applicant respectfully submits that the Examiner's reliance on Fukasaku is improper because Fukasaku's disclosed feature of sending "location information data," whether alone or in combination with the other cited art, fails to provide the subject-matter of Applicant's claims. This argument will be revisited below. Additionally, Applicant respectfully submits that the Examiner has overlooked that there is no apparent *reason* to combine Fukasaku with Albina (and D'Evelyn), and this is an additional reason why the rejection should be withdrawn.

Applicant argued in the previous paper (dated May 23, 2017) that Fukasaku discloses automatically notifying the users of destination portable terminals (i.e., call recipients) of the "location information data" of a source portable terminal (i.e., a caller) in order to help the destinations more comfortably identify the caller/speaker in a multi-party conference by

displaying the location information of the caller/speaker on the displays of the receiving terminals (e.g., as a map). See Fukasaku at paras. [0003], [0008], [0017], [0041] and [0049].

But Fukasaku does not disclose transmitting "location information data" in a "*access code request message to an access server*", as recited in Claim 1, nor does it disclose that any such "*access server*" would use the "location information data" to generate an "*access code*" for the source portable terminal in an "*access code reply message*", wherein the "*access code*" could be used to "*establish[] communications between the wireless device and the destination node through the channel identified by the access code,*" as recited in Claim 1.

On the contrary, the provision of "location information data" in Fukasaku simply "enables *more comfortable* one-to-several communication by automatically notifying a destination of current location information of a source (speaker)" (para. [0012]); but it is an ***optional*** feature that is unnecessary for *establishing* communications. Indeed, Fukasaku expressly discloses a feature that "disables transmission of location information data... if the user wants to make an anonymous call": see para. [0018]. Furthermore, Fukasaku discloses that "the user of the source terminal device can determine and set himself/herself whether the location information data is to be sent or not from the viewpoint of personal information protection" such that "[if] the flag is OFF, the transmission control unit 4 does not transmit the location information data but transmits dummy data": para. [0048].

Fukasaku fails to disclose anything akin to an "access code reply message including *an access code based on the location identifier in the access code request message,*" where the "*access code*" is used for "*establishing [the] communications between the wireless device and the destination node through the channel identified by the access code,*" as recited in Claim 1.

Accordingly, adding Fukasaku's teaching on "location information data" to Albina's system would fail to provide "receiving an access code reply message including *an access code based on the location identifier in the access code request message,*" as recited in Claim 1.

Neither Albina nor Fukasaku individually or in combination disclose an access code based on the location identifier in the access code request message, nor does D'Evelyn. Therefore, it is respectfully submitted that the combination of Albina, Fukasaku and D'Evelyn is incapable of establishing the obviousness of independent Claim 1 under 35 U.S.C. §103(a).

If the Examiner disagrees with the Applicant's argument regarding Fukasaku, Applicant requests that the Examiner state *why* he believes, with specific reference to passages of Fukasaku, that the location information feature data of Fukasaku is not optional.

If, however, the Examiner agrees that that the location information feature data of Fukasaku is optional, and that it is unrelated to establishing a communication session between phones, then the Examiner is requested to explain why Fukasaku is still being relied upon. In the latter case, the Examiner's reliance on Fukasaku appears to be improper for yet an additional reason.

As stated in *KSR*, a finding of obviousness requires an explicit analysis based on an "apparent reason to combine the known elements *in the fashion* claimed by the patent at issue." *KSR*, 550 U.S. at 401-403. Furthermore, "conclusory statements" alone are insufficient and, instead, the finding must be supported by a "reasoned explanation." *Lee*, 277 F.3d at 1342, 1345. The Examiner's "motivation" to justify combining Fukasaku with Albina is the following:

> "Therefore, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to provide the technique of Fukasaku to the system of ALBINA in order to provide a source portable terminal location information and identifying the destination user to server (Fukasaku, [abstract]). The motivation would be to improve and enhance identifying caller location ***after receiver receive a call*** (Fukasaku, [0008]-[0009]). [sic]" (*see* Office Action at 9)

The Examiner refers to paras. [0008]-[0009], which indicate that it is helpful for knowing the identity of a calling party if you use a location information notification function. This involves transmitting the location data to the participants in the call, as disclosed by Fukasaku. However, as the Examiner rightly notes, this identification of caller location occurs only ***after*** the parties have received the call. This is illustrated in Figure 4 of Fukasaku:

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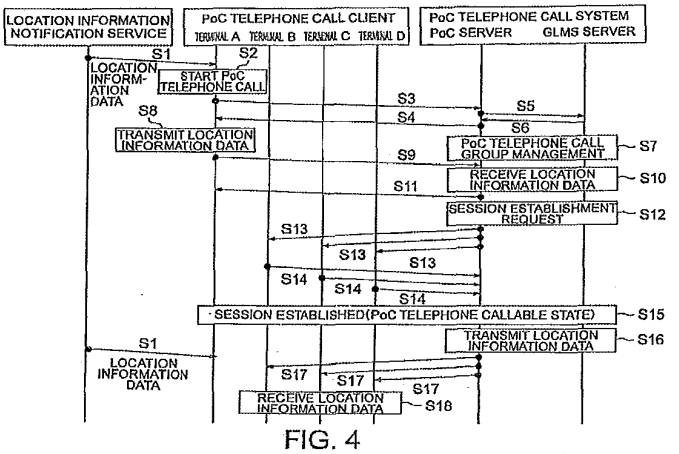


FIG. 4

Referring to paras. [0043] to [0046] and Figure 4, it is apparent that following initiation of a session establishment request in S12, the PoC server "transmits [the] session establishment request to the second through fourth portable terminals 51, 61, 71 (terminals B, C, D) (step S13)". Upon receiving a "session establishment response" from each of the terminals in step S14 (para. [0046]), a session is established (i.e., the "PoC Telephone Callable State") in S15. However, Fukasaku discloses transmitting "location information data" to terminals B, C and D, only ***after*** the communication session has been established, and at that point, the terminals 51, 61, 71 receive the location information data and display it on their screen (step S18). This appears to reinforce the argument made in Applicant's previous paper, *viz.*, that sending location information data is an optional feature that is *distinct* from establishing communications.

However, the above disclosures undermine the Examiner's proposed reason for combining Fukasaku with Albina. If sending location information data is an optional feature that is *distinct* from establishing communications in Fukasaku, then even if a person of skill in the art of the invention desired to "enhance identifying caller location," (the motivation proposed by the Examiner) by the addition of Fukasaku's method, this *need not necessarily* lead to modifying Albina's method of establishing communications. For example, the skilled person could implement Fukasaku's location display method in Albina *without* altering Albina's method of establishing communications. The two features are independent of each other.

In view of the foregoing, Applicant submits that the Office Action fails to give a reason or motivation for *why* one of ordinary skill in the art, bereft of any hindsight based on

Applicant's claims, would make the *specific* modifications to Albina proposed by the Examiner (which, after all, relate to modifying *Albina's method of establishing communications* based on Fukasaku). Thus, the rejection of Applicant's claims is improper for this additional reason.

Independent Claims 20, 38, 50, 77, 103, 129 and 130

Applicant respectfully submits that each of the independent Claims 20, 38, 50, 77, 103, 129 and 130 recite elements similar to the element discussed above in respect of Claims 1 and 50, and thus, for reasons similar to those given above, it is respectfully submitted that the Examiner's rejections under 35 U.S.C. §103(a) of Applicant's independent Claims 20, 38, 50, 51, 77, 103, 129 and 130 should be withdrawn.

Applicant also respectfully submits that the rejection of independent Claim 20 is deficient for an additional reason. While the Office Action purports to apply D'Evelyn to cure an ostensible deficiency in the combination of Albina and Fukasaku, the Examiner provides no explanation of how D'Evelyn is applied other than to cite the "Title" of D'Evelyn. See Office Action at 17-20.

Applicant also respectfully submits that the rejection in respect of Claim 130 fails to accurately quote the language of the claim. The Examiner has not identified each feature of the claim in the applied references. For example, the Examiner did not address the "IP address" features, and thus the rejection of Claim 130 is improper for this *additional* reason. Applicant is concerned that the Examiner overlooked and did not address Applicant's arguments for Claim 130 in the last paper. While a few minor editorial amendments have been made to Claim 130 (for reasons unrelated to the cited art), the substance of the previous arguments regarding Claim 130 are still applicable.

Discussion of Dependent Claims

Although Applicant has not addressed all the issues of the dependent claims, Applicant respectfully submits that Applicant does not necessarily agree with the characterization and assessments of the dependent claims made by the Examiner, and Applicant believes that each claim is patentable on its own merits. The dependent claims are dependent either directly or indirectly on one of the above-discussed independent claims, argued to be patentable over the

cited art. Applicant respectfully submits that pursuant to 35 U.S.C. § 112, ¶4, the dependent claims incorporate by reference all the features of a claim to which they refer and further include their own patentable features, and thus these claims should be allowable over the cited art.

In particular, Applicant respectfully submits that Claims 2-19, 21-37, 39-49, 52-76, 78-102, 104-128 and 131-137 should be allowable over the cited references due to their respective direct or indirect dependence from one of independent Claims 1, 20, 38, 51, 77, 103, and 130, and also due to the additional subject-matter that each of these dependent claims recites.

Applicant takes this opportunity to identify some apparent errors in the Examiner's rejections of certain dependent claims. Applicant is particularly concerned about the fact that the Office Actions dated November 23, 2016, and August 28, 2017, are incomplete as they both failed to respond to certain previous arguments made by the Applicant, as indicated below.

Furthermore, certain rejections are unclear or do not relate to the specific language recited in the claims. In this regard, 37 C.F.R. §1.104 describes the requirements for examination:

> "The examination shall be complete..." [37 C.F.R. § 1.104 (a)(1)]; and "The examiner's action will be complete as to all matters..." [37 C.F.R. § 1.104 (a)(4)(b)]
>
> "The reasons for any adverse action or any objection or requirement will be stated in an Office action and such information or references will be given as may be useful in aiding the applicant, or in the case of a reexamination proceeding the patent owner, to judge the propriety of continuing the prosecution." [37 C.F.R. § 1.104 (a)(2)]
>
> "In rejecting claims for want of novelty or for obviousness, the examiner must cite the best references at his or her command. When a reference is complex or shows or describes inventions other than that claimed by the applicant, the particular part relied on must be designated as nearly as practicable. The pertinence of each reference, if not apparent, must be *clearly* explained and each rejected claim specified." [37 C.F.R. § 1.104 (c)(2)]
>
> [emphasis added]

Claims 63, 89 and 115

With respect to **Claim 63** (Office Action at 41), Applicant is concerned that the following arguments were made in both of the Applicant's ***previous two response papers***, yet the Examiner has not responded to (let alone refuted) them, nor has the Examiner withdrawn the rejections.

The Examiner concludes that Albina discloses, "*wherein at least one of the access codes in the pool of access codes identifies an IP network address as a possible communications channel through which the communications can be conducted,*" based solely on the fact that, in step "G" of Figure 11, MSC 1104 launches an IAM based on its routing tables to the VoIP network provider softswitch 1110 (*see* cited paragraph [0090]). But this is not a disclosure of the subject-matter of Claim 63. Applicant has already respectfully explained in the earlier paper dated 07/14/2016 that the antecedent steps to step "G" in Figure 11 are as follows:

1. When the user selects a name to call, the mobile station 1102 sends information to the SIP application server 1108 (steps A and B in Figure 11; paras. [0084] and [0085]);
2. The application server 1108 responds with an **E.164 format PSTN number** to call, which is forwarded to the mobile station 1102 (steps C and D; [0086] and [0087]);
3. The client application on the mobile station 1102 then **places a traditional PSTN call to the E.164 number** (step E; para. [0088]), which goes to the MSC 1104.
4. *Then*, the MSC launches an IAM to the IP service provider softswitch 1110 (step G; para. [0090]), but this appears to be **in response to the traditional PSTN call**.

Thus, Applicant respectfully submits that, in step "C", there is no disclosure by Albina of the application server 1008 returning an *IP network address* for the mobile station 1102 to use in establishing the call to the VoIP subscriber 1116. Rather, Albina discloses that the application server 1008 returns an E.164 PSTN number for the mobile station 1102 to call. If the Examiner wishes to assume that the output of the application server is a disclosure of an "*access code,*" as has been apparently assumed elsewhere in the Office Action by the Examiner, then Applicant submits that Albina fails to disclose, "*at least one of the access codes in the pool of access codes identifies an IP network address as a possible communications channel through which the communications can be conducted,*" as recited in Applicant's Claim 63, and thus the rejection of Claim 63 is improper. Even if one assumes (for the sake of argument) that the MSC uses an IP address to send the IAM to the softswitch 1110, Albina does not appear to disclose that such an IP address was provided by the application server 1108 to the mobile station 1102 and was then used by the mobile station 1102 in order to initiate the "traditional" PSTN call via the MSC 1104. It is certainly possible that the MSC 1104 would know the IP address of the IP service provider softswitch 1110 by *other means* (e.g., perhaps the IP address of the IP service provider

softswitch 1110 is fixed). In the absence of any clear disclosure by Albina or any explanation by the Examiner, Applicant submits that the rejection of **Claim 63** should be withdrawn.

For reasons similar to those above, Applicant respectfully submits that the rejections of **Claims 89** and **115** are also improper and respectfully requests the withdrawal of these rejections.

If the Examiner disagrees, Applicant requests an explanation of *why*; or if he agrees, then Applicant submits that the rejections are improper and should be withdrawn.

Claims 64, 90 and 116

Applicant also submits that the rejection of **Claim 64** (*see* OA at 41) should be withdrawn, e.g., due to the absence of a disclosure in Albina of using a wireless device using an "*access code identifying the IP network address*" as recited in Claim 64. Furthermore, the rejection simply recites the claim language and cursorily states "(Mobile Data network 116)". Given the lack of explanation, Applicant does not understand the Examiner's position. The Examiner is respectfully requested to either further explain the rejection, or else, to withdraw it.

For reasons similar to those above, Applicant respectfully submits that the rejections of **Claims 90** and **116** are also improper and requests the withdrawal of these rejections. **Claim 90** appears to be rejected for the "same reason" as set forth in **Claim 64** (OA at 47), and thus is improper for similar reasons. **Claim 116** is part of an omnibus rejection that recites, "Regarding claim 104-116, the claim is interpreted and rejected for the same reason as set forth in claim 2-10. [sic]" (see OA at 54). However, none of Claims 2-10 appear to recite the same claim language as **Claim 116**, thus the rejection is improper and should be withdrawn.

Claims 6, 25, 43, 60, 86 and 112

For example, with respect to **Claim 6**, the Examiner has stated (OA at 12) that para. [0104] of Albina discloses "*wherein the location identifier comprises an Internet Protocol (IP) address of the wireless device in a wireless Internet Protocol (IP) network*" because Albina discloses that "requests arrive at the IP address of internetworking function (IWF) 1208". However, as Applicant has already respectfully explained in the paper dated 07/14/2016, the mere fact that requests arrive at the IP address of the internetworking function (IWF) 1208 does

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not *necessarily* entail that the requests include a location identifier comprising an Internet Protocol (IP) address of the *mobile station 1202*. In the absence of any clear explanation of how Albina or Fukasaku disclose the subject matter of Applicant's Claim 6, Applicant respectfully submits that the rejection of **Claim 6** should be withdrawn. By the same token, it is respectfully submitted that the rejection of **Claim 25** is improper as well (OA at 22). These arguments were made in the Applicant's previous paper, but the Examiner has not responded to them in the Office Action. If the Examiner disagrees, Applicant requests an explanation of why; if he agrees, then Applicant submits that the rejections of Claims 6 and 25 should be withdrawn.

Claims 43, **60**, and **112** appear to have been rejected for the "same reason" as **Claim 6** (*see* Office Action at 32, 40 and 54), thus Applicant submits that the rejection of these claims is improper for similar reasons to those stated above for **Claim 6**. **Claim 86** appears to have been rejected for the "same reason" as **Claim 25**, and thus is likewise improper (OA at 46).

Claims 10 and 29

With regard to **Claim 10**, the Examiner has referred to para. [0050] of Fukasaku, which discloses that "location information data may be replaced with message text data, so that the message can be sent to a destination." However, Claim 10 recites "*receiving the access code reply message [as an SMS]*," thus the Examiner's rejection is not understood and appears to be *prima facie* improper. *See* OA at 13. If the Examiner disagrees, then the Examiner is kindly requested to explain the rejection, or else to withdraw it.

In addition, the rejection of **Claim 29** is missing from the Office Action. However, there is a *second* rejection of **Claim 10** at page 23 of the Office Action, where one would expect a treatment of **Claim 29** to be located, therefore it appears that the rejection of **Claim 29** is improper for reasons similar to those given above in respect of **Claim 10**.

Claim 58

With regard to **Claim 58**, at p. 40 the Examiner has referred to para. [0013] of Fukasaku, but the cited paragraph fails to disclose any of the subject-matter stated in the Office Action (e.g., "multiple individual numbers may be used dependent on the country of operation with police, fire, ambulance, civil defense, and public utilities..."), let alone the subject-matter recited in

Claim 58. Applicant respectfully submits that this rejection is a holdover from a rejection made in the previous Office Action based on a prior art reference ("Mia") that is no longer asserted, and thus the Office Action is incomplete with respect to the examination of Claim 58. This argument was made in the Applicant's previous paper, but the Examiner has not withdrawn the rejection.

Claim 59

With regard to **Claim 59**, the Examiner cites para. [0024] of Fukasaku, but the cited paragraph simply discloses a "PoC server, which is connected to portable terminals via base stations," which has ostensibly has nothing to do with "*accessing a location field of a dialing profile...*," as recited in Claim 59, thus the rejection is not understood and appears improper. This argument was made in the Applicant's previous paper, but the Examiner has not responded.

Claim 85

With regard to **Claim 85**, at p. 46, the Examiner refers to paras. [0028], [0033] and [0058] of Fukasaku, but the cited portions fail to disclose the subject-matter referenced in the Office Action (e.g., "BTS 115 may include a location component 120..."), let alone the subject-matter of Claim 85. Applicant respectfully submits that this rejection is a holdover from a rejection made in a previous Office Action based on a prior art reference ("Mia") that is no longer asserted, and thus, the Office Action is incomplete with respect to the examination of Claim 85. This argument was made in the Applicant's previous paper, but the Examiner has not responded.

Claim 134

With regard to **Claim 134**, at p. 53, the Examiner refers to paras. [0024] and [0041] of Fukasaku, but the cited portions fail to disclose the subject-matter referenced in the Office Action (e.g., "VoIP adapter 105..."), let alone the subject-matter of Claim 134. Applicant respectfully submits that this rejection is a holdover from a rejection made in the previous Office Action based on a prior art reference ("Mia") that is no longer asserted. In any event, there is no disclosure, even in the cited portions of Mia, of the subject-matter recited in Claim 134, such as

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"*searching an access code association database table to identify an access code*" in the manner claimed, and thus, the Office Action is also incomplete with respect to the examination of Claim 134. This argument was made in the Applicant's previous paper, but the Examiner has not responded.

Claim 135

The rejection of **Claim 135** cites Fukasaku at [0001] and [0009], (OA at 55) but the cited portions of Fukasaku do not disclose anything relevant thus the rejection is improper and should be withdrawn. Applicant does not know what the Examiner is citing for **Claim 135**.

Claim 8, 27, 45, 62, 88 and 114

The rejection of **Claim 8** cites Fukasaku at [0025] and [0034] (OA at 13), and the Examiner's cursory note mentions "GPS information using a location information notification service system 10". However, it is not apparent from the cursory note or from the cited paragraphs just *what* the Examiner considers to be a disclosure of, for example, a "*user-configured identifier of a location associated with the wireless device*," as recited in **Claim 8**. Thus, the Examiner is respectfully requested either to explain the rejection or to withdraw it.

Claims 27, 45, and 62 appear to have been rejected on the same basis or for the "same reason" as **Claim 8** (OA at 23, 32 and 41). **Claim 88** is rejected for the "same reason" as **Claim 27** (OA at 46). Finally, **Claim 114** is rejected in an omnibus rejection of **Claims 104-116** (OA at 54) for the "same reason" as **Claims 2-10**. While it is not stated which claim is being rejected for the "same reason" as *which* preceding claim, Applicant assumes that **Claim 114** is being rejected for the "same reason" as **Claim 8**.

Accordingly, Applicant respectfully submits that the rejections of **Claim 27**, **Claim 45**, **Claim 62**, **Claim 88** and **Claim 114** are improper for reasons akin to those given for **Claim 8**.

Claims 57 and 83

The rejections of **Claims 57** and **83** cite to Fukasaku (OA at 39, 45) but the cited portions of Fukasaku do not disclose what the rejections state thus the rejections are improper.

META 1002
META V. VOIP-PAL

If the Examiner disagrees with any of the Applicant's arguments, then a responsive explanation of the reason for the disagreement would be appreciated to expedite prosecution.

In view of 35 U.S.C. § 112, ¶4 and also in view of the arguments made above, Applicant respectfully requests the withdrawal of all claim rejections and prompt allowance of the claims.

Co-Pending Applications of Assignee

Applicant wishes to draw the Examiner's attention to the following co-pending applications assigned to Applicant's assignee.

Docket No.	Serial No.	Title	Filed
DIGIF.002C4	15/861572	Intercepting Voice Over IP Communications and Other Data Communications	Jan 3, 2018
DIGIF.001C9	15/730600	Producing Routing Messages For Voice Over IP Communications	Oct 11, 2017
DIGIF.001C10	15/788666	Producing Routing Messages For Voice Over IP Communications	Oct 19, 2017

META 1002
META V. VOIP-PAL

Conclusion

Although the present communication may include alterations to the application or claims, or characterizations of claim scope or referenced art, Applicant is not conceding in this application that previously pending claims are not patentable over the cited references. Rather, any alterations or characterizations are being made to facilitate expeditious prosecution of this application. Applicant reserves the right to pursue at a later date any previously pending or other broader or narrower claims that capture any subject matter supported by the present disclosure, including subject matter found to be specifically disclaimed herein or by any prior prosecution. Accordingly, reviewers of this or any parent, child or related prosecution history shall not reasonably infer that Applicant has made any disclaimers or disavowals of any subject matter supported by the present application.

Applicant has endeavored to address all of the Examiner's concerns as expressed in the outstanding Office Action. In light of the above remarks, reconsideration and withdrawal of the outstanding rejections is respectfully requested. If the Examiner has any outstanding concerns following this response, Applicant respectfully requests an Interview with the Examiner to be able to address any such outstanding concerns as expeditiously as possible.

Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 2/28/18

By: _____

John M. Carson
Registration No. 34,303
Registered Practitioner
Customer No. 20995
(858) 707-4000

27697049

Electronic Patent Application Fee Transmittal

Application Number:	14035806
Filing Date:	24-Sep-2013
Title of Invention:	MOBILE GATEWAY
First Named Inventor/Applicant Name:	Johan Emil Viktor Björsell
Filer:	John M Carson/Elise Braun
Attorney Docket Number:	DIGIF.004C1

Filed as Small Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
CLAIMS IN EXCESS OF 20	2202	4	50	200
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**200**

Electronic Acknowledgement Receipt

EFS ID:	31925085
Application Number:	14035806
International Application Number:	
Confirmation Number:	5562
Title of Invention:	MOBILE GATEWAY
First Named Inventor/Applicant Name:	Johan Emil Viktor Björsell
Customer Number:	20995
Filer:	John M Carson/Zachary Galligan
Filer Authorized By:	John M Carson
Attorney Docket Number:	DIGIF.004C1
Receipt Date:	28-FEB-2018
Filing Date:	24-SEP-2013
Time Stamp:	20:40:38
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$200
RAM confirmation Number	030118INTEFSW20411800
Deposit Account	111410
Authorized User	Zachary Galligan
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.16 (National application filing, search, and examination fees) 37 CFR 1.17 (Patent application and reexamination processing fees)	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		RESPONSE.pdf	2457887 d710bc515bb9d499fa3b9f13cfff52ab7b9e66fb	yes	48

Multipart Description/PDF files in .zip description

Document Description	Start	End
Response After Final Action	1	1
Claims	2	26
Applicant summary of interview with examiner	27	27
Applicant Arguments/Remarks Made in an Amendment	28	48

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	30405 cd5dd2784a70555fc66dc9a01096a37336d22eca	no	2

Warnings:

Information:

Total Files Size (in bytes):	2488292

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.

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 14/035,806	Filing Date 09/24/2013	☐ To be Mailed

ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT	02/28/2018	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 141	Minus	** 137	= 4	X $50 =	200
	Independent (37 CFR 1.16(h))	* 9	Minus	***9	= 0	X $230 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	**200**

AMENDMENT		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=	X $ =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

SLIE
VIKKI GRAY

This collection of information is required by 37 CFR 1.16. 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 12 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.

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
14/035,806	09/24/2013	Johan Emil Viktor Björsell	DIGIF.004C1

CONFIRMATION NO. 5562

POWER OF ATTORNEY NOTICE

20995
KNOBBE MARTENS OLSON & BEAR LLP
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

OC000000098632221

Date Mailed: 04/09/2018

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 04/06/2018.

- The withdrawal as attorney in this application has been accepted. 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**.

/eefswuser/

Doc Code: PET.AUTO Document Description: Petition automatically granted by EFS-Web	PTO/SB/83 U.S. Patent and Trademark Office Department of Commerce

Electronic Petition Request	**REQUEST FOR WITHDRAWAL AS ATTORNEY OR AGENT AND CHANGE OF CORRESPONDENCE ADDRESS**
Application Number	14035806
Filing Date	24-Sep-2013
First Named Inventor	Johan Björsell
Art Unit	2411
Examiner Name	M RAHMAN
Attorney Docket Number	DIGIF.004C1
Title	MOBILE GATEWAY

◉ Please withdraw me as attorney or agent for the above identified patent application and the practitioners of record associated with Customer Number: 20995

The reason(s) for this request are those described in 37 CFR:

11.116(a)(3)

Certifications

☒ I/We have given reasonable notice to the client, prior to the expiration of the response period, that the practitioner(s) intend to withdraw from employment

☒ I/We have delivered to the client or a duly authorized representative of the client all papers and property (including funds) to which the client is entitled

☒ I/We have notified the client of any responses that may be due and the time frame within which the client must respond

Change the correspondence address and direct all future correspondence to the first named inventor or assignee that has properly made itself of record pursuant to 37 CFR 3.71(for applications filed before September 16, 2012) or the applicant (for applications filed on or after September 16, 2012):

Name	Voip-Pal.com, Inc.
Address	10900 NE 4th St. Suite 2300
City	Bellevue
State	WA
Postal Code	98004
Country	US

I am authorized to sign on behalf of myself and all withdrawing practitioners.	
Signature	/Raimond Salenieks/
Name	Raimond Salenieks
Registration Number	37924

UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

Decision Date : April 6, 2018

In re Application of :

Johan Björsell

Application No : 14035806

Filed : 24-Sep-2013

Attorney Docket No : DIGIF.004C1

DECISION ON REQUEST TO WITHDRAW AS ATTORNEY/AGENTOF RECORD

This is an electronic decision on the Request to Withdraw as attorney or agent of record under 37 CFR § 1.36(b), filed April 6, 2018

The request is **APPROVED.**

The request was signed by Raimond Salenieks (registration no. 37924) on behalf of all attorneys/agents associated with Customer Number 20995 . All attorneys/agents associated with Cusotmer Number 20995 have been withdrawn.

Since there are no remaining attorneys of record, all future communications from the Office will be directed to the first named inventor or assignee that has properly made itself of record pursuant to 37 CFR 3.71(for applications filed before September 16, 2012) or the applicant (for applications filed on or after September 16, 2012), with correspondence address:

Name	Voip-Pal.com, Inc.
Name2	
Address 1	10900 NE 4th St.
Address 2	Suite 2300
City	Bellevue
State	WA
Postal Code	98004
Country	US

As a reminder, requester is required to inform the first named inventor or assignee that has properly made itself of record pursuant to 37 CFR 3.71 (for applications filed before September 16, 2012) or the applicant (for applications filed on or after September 16, 2012)of the electronically processed petition.

Telephone inquiries concerning this decision should be directed to the Patent Electronic Business Center (EBC) at 866-217-9197.

Office of Petitions

Electronic Acknowledgement Receipt

EFS ID:	32271261
Application Number:	14035806
International Application Number:	
Confirmation Number:	5562
Title of Invention:	MOBILE GATEWAY
First Named Inventor/Applicant Name:	Johan Emil Viktor Björsell
Customer Number:	20995
Filer:	Raimond J Salenieks/Christina Graul
Filer Authorized By:	Raimond J Salenieks
Attorney Docket Number:	DIGIF.004C1
Receipt Date:	06-APR-2018
Filing Date:	24-SEP-2013
Time Stamp:	17:55:33
Application Type:	Utility under 35 USC 111(a)

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	Petition automatically granted by EFS	petition-request.pdf	34927 d82b0bd87e8bc6ddbe01a7f250dc01854017f3a2	no	2
Warnings:					

Information:	
Total Files Size (in bytes):	34927

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.

PTO/AIA/82A (07-13)
Approved for use through 11/30/2014. OMB 0651-0051
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	14/035,806
Filing Date	September 24, 2013
First Named Inventor	Johan Emil Viktor Björsell
Title	MOBILE GATEWAY
Art Unit	
Examiner Name	
Attorney Docket Number	4278-004.PCT.US.CON1

SIGNATURE of Applicant or Patent Practitioner

Signature	/Sean F. Parmenter/	Date (Optional)	
Name	Sean F. Parmenter	Registration Number	53437
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.

☑ *Total of 2 forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. 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 1.11 and 1.14. This collection is estimated to take 3 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.

PTO/AIA/82B (07-13)
Approved for use through 11/30/2014. OMB 0651-0051
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AIA/82A.)

☑ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 20,551

OR

☐ I hereby appoint Practitioner(s) named in the attached list (form PTO/AIA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above. (Note: Complete form PTO/AIA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

☐ The address associated with the above-mentioned Customer Number

OR

☑ The address associated with Customer Number: 20,551

OR

Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Email			

I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

VOIP-PAL.COM, INC.

☐ Inventor or Joint Inventor (title not required below)

☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)

☑ Assignee or Person to Whom the inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)

☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature	/Ryan L. Thomas/	Date (Optional)	March 29, 2018
Name	Ryan L. Thomas		
Title	General Counsel and Director, VOIP-PAL.COM, INC.		

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

☐ Total of forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. 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 1.11 and 1.14. This collection is estimated to take 3 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.

Electronic Acknowledgement Receipt	
EFS ID:	32322580
Application Number:	14035806
International Application Number:	
Confirmation Number:	5562
Title of Invention:	MOBILE GATEWAY
First Named Inventor/Applicant Name:	Johan Emil Viktor Björsell
Correspondence Address:	Voip-Pal.com, Inc. - 10900 NE 4th St. Suite 2300 Bellevue WA 98004 US 8019444090 tesawyer@tesawyer.com; emil@emilmalak.ca
Filer:	Sean Franklin Parmenter/Jenny Morison
Filer Authorized By:	Sean Franklin Parmenter
Attorney Docket Number:	DIGIF.004C1
Receipt Date:	12-APR-2018
Filing Date:	24-SEP-2013
Time Stamp:	16:27:52
Application Type:	Utility under 35 USC 111(a)

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	POA4C1.pdf	201517 5df5e52921790d85c5d8dac85bcdedcf14bddc21	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	201517		

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

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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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
14/035,806	09/24/2013	Johan Emil Viktor Björsell	4278-004.PCT.US.CON1

CONFIRMATION NO. 5562

20551
THORPE NORTH & WESTERN, LLP.
P.O. Box 1219
SANDY, UT 84091-1219

POA ACCEPTANCE LETTER

OC000000098820763

Date Mailed: 04/18/2018

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 04/12/2018.

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**.

/cnguyen/

To: patentdocket@tnw.com,rich@tnw.com,annette.fields@tnw.com
From: PAIR_eOfficeAction@uspto.gov
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Application	Document	Mailroom Date	Attorney Docket No.
14035806	N570	04/18/2018	4278-004.PCT.US.CON1

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/035,806	09/24/2013	Johan Emil Viktor Björsell	4278-004.PCT.US.CON1	5562

20551 7590 08/24/2018

THORPE NORTH & WESTERN, LLP.
P.O. Box 1219
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EXAMINER
RAHMAN, M MOSTAZIR

ART UNIT	PAPER NUMBER
2411	

NOTIFICATION DATE	DELIVERY MODE
08/24/2018	ELECTRONIC

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 the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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PTOL-90A (Rev. 04/07)

Office Action Summary	Application No. 14/035,806	Applicant(s) BJÖRSELL ET AL.	
	Examiner M MOSTAZIR RAHMAN	Art Unit 2411	AIA (First Inventor to File) Status No

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *02/28/2018*.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ Since this application is in condition for allowance 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.

Disposition of Claims*

5)☒ Claim(s) *1-141* is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-141* is/are rejected.

8)☐ Claim(s) _____ is/are objected to.

9)☐ Claim(s) _____ are subject to restriction and/or election requirement.

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☒ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

4) ☐ Other: _____.

DETAILED ACTION

Notice of Pre-AIA or AIA Status

The present application is being examined under the pre-AIA first to invent provisions.

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on ***11/29/2017*** has been entered.

Information Disclosure Statement

The information disclosure statements (IDS) submitted on ***11/29/2017, 11/29/2017, 02/02/2018, and 02/02/2018*** have been placed in record and considered by the examiner.

Response to Remark

This communication is considered fully responsive to the amendment filed on ***02/28/2018.***

1) ***Claims 50, 90, 119-120. 109, 117,*** have been amended.

2) Claims 138-141 have been added and no claim was canceled.

3) In view of the applicant's amendment, the rejection under 35 USC § 112 (b) have been withdrawn.

Response to Arguments

Applicant's Argument: ***Independent claims 1 and 51:***

Applicant's arguments, ***filed on 02/28/2018,*** with respect to claims have been entered and considered but are moot because the arguments do not apply to any of the references being used in the current rejection. Applicants argued that the cited references, Albina, Fukasaku, D'Evelyn, specifically, D'Evelyn does not teach claim limitations "wherein the access code is produced based on the location identifier of the access code request message received from the wireless device and wherein the access code is useable by the wireless device to initiate communications with the destination node through the communications channel," **(see REMARK page 30-31).**

Examiner's response: ***Independent claims 1 and 51:***

In view of the applicant's amendment to the claims, the examiner has clarified and remapped the rejection to the argued claim limitations to give detailed information, using the prior art of record in the current prosecution of the claims as well as new prior art. See **Boda** et al. (US **20030114145** A1). Hereinafter as "**Boda**").

Applicant's Argument: ***Independent claims 20, 38, 50, 77, 103, 129, and 130:***

Applicant's arguments, ***filed on 02/28/2018,*** with respect to claims have been entered and considered but are moot because the arguments do not apply to any of the references being used in the current rejection.

Examiner's response: ***Independent claims 20, 38, 50, 77, 103, 129, and 130***

In view of the applicant's amendment to the claims, the examiner has clarified and remapped the rejection to the argued claim limitations to give detailed information, using the prior art of record in the current prosecution of the claims as well as new prior art. See **Boda** et al. (US **20030114145** A1). Hereinafter as "**Boda**").

Applicant's Argument: ***Dependent claims:***

Applicant's arguments, ***filed on 02/28/2018,*** with respect to claims that " *Applicant respectfully submits that Claims 2-19, 21-37, 39-49, 52-76, 78- 102, 104-128 and 131-137 should be allowable over the cited references due to their respective direct or indirect dependence from one of independent Claims 1, 20, 38, 51, 77, 103, and 130, and also due to the additional subject-matter that each of these dependent claims recite* " (see REMARK Page 40-41).

Examiner's response: ***Dependent claims:***

These arguments have been respectfully considered but they are not persuasive as these limitations of applicant's invention are taught or suggested by cited references as

explains above for their respective independent claims. Thus dependent claims are rejected for the same reasons mentioned in independent claim as answered above.

Applicant's Argument: ***Dependent claims 63, 89, and 115***

Applicant's arguments, ***filed on 02/28/2018,*** with respect to claims that cited prior arts does not teaches "wherein at least one of the access codes in the pool of access codes identifies an IP network address as a possible communications channel through which the communications can be conducted" (see REMARK 42-42).

Examiner's response: ***Dependent claims 63, 89, and 115***

In view of the applicant's amendment to the independent claims and dependent claims, the examiner has clarified and remapped the rejection to the argued claim limitations to give detailed information, using the prior art of record in the current prosecution of the claims as well as new prior art. See **Boda** et al. (US **20030114145** A1). Hereinafter as "**Boda**").

Applicant's Argument: ***Dependent claims 64, 90, and 116***

Applicant's arguments, ***filed on 02/28/2018,*** with respect to claims that cited prior arts does not teaches "wherein the access code identifies an IP network address as a possible communications channel through which the communications can be conducted, the method further comprising enabling communications between the wireless device and the destination node to be established through an IP network in

response to a call received at the IP network address from the wireless device using the access code identifying the iP network address" (see REMARK 43).

Examiner's response: ***Dependent claims 64, 90, and 116***

In view of the applicant's amendment to the independent claims and dependent claims, the examiner has clarified and remapped the rejection to the argued claim limitations to give detailed information, using the prior art of record in the current prosecution of the claims as well as new prior art. See **Boda** et al. (US **20030114145** A1). Hereinafter as "**Boda**").

Applicant's Argument: ***Dependent claims 6, 25, 43, 60, 86, 112:***

Applicant's arguments, ***filed on 02/28/2018,*** with respect to claims that cited prior arts does not teaches "wherein the location identifier comprises an Internet Protocol (IP) address of the wireless device in a wireless Internet Protocol (IP) network" (see REMARK 43).

Examiner's response: ***Dependent claims 6, 25, 43, 60, 86, 112:***

In view of the applicant's amendment to the independent claims and dependent claims, the examiner has clarified and remapped the rejection to the argued claim limitations to give detailed information, using the prior art of record in the current prosecution of the

claims as well as new prior art. See **Boda** et al. (US **20030114145** A1). Hereinafter as "**Boda**").

Applicant's Argument: ***Dependent claims 10, 29:***

Applicant's arguments, ***filed on 02/28/2018,*** with respect to claims that cited prior arts does not teaches "wherein receiving the access code reply message comprises receiving the access code reply message as a Short Messaging Service (SMS) message" (see REMARK 44).

Examiner's response: ***Dependent claims 10, 29:***

In view of the applicant's amendment to the independent claims and dependent claims, the examiner has clarified and remapped the rejection to the argued claim limitations to give detailed information, using the prior art of record in the current prosecution of the claims as well as new prior art. See **Boda** et al. (US **20030114145** A1). Hereinafter as "**Boda**").

Applicant's Argument: ***Dependent claims 58***

Applicant's arguments, ***filed on 02/28/2018,*** with respect to claims that cited prior arts does not teaches "further comprising determining from the location identifier a local calling area associated with the wireless device and causing the access server to select

an access code associated with a calling area matching the local calling area associated with the wireless device" (see REMARK 44-45).

Examiner's response: ***Dependent claims 58***

In view of the applicant's amendment to the independent claims and dependent claims, the examiner has clarified and remapped the rejection to the argued claim limitations to give detailed information, using the prior art of record in the current prosecution of the claims as well as new prior art. See **Boda** et al. (US **20030114145** A1). Hereinafter as "**Boda**").

Applicant's Argument: ***Dependent claims 85, 134, 59, 135, 8, 27, 45, 62, 88, 114, 57, 83:***

Applicant's arguments, ***filed on 02/28/2018,*** with respect to these dependent claims that cited prior arts does not teaches a particular limitation of these claims (see REMARK 44-47).

Examiner's response: ***Dependent claims 85, 134, 59, 135, 8, 27, 45, 62, 88, 114, 57, and 83***

In view of the applicant's amendment to the independent claims and dependent claims, the examiner has clarified and remapped the rejection to the argued claim limitations to give detailed information, using the prior art of record in the current prosecution of the

claims as well as new prior art. See **Boda** et al. (US **20030114145** A1). Hereinafter as "**Boda**").

Claim Interpretation

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

> (f) Element in Claim for a Combination. – An element in a claim for a combination may be expressed as a means or step for performing a specified function without the recital of structure, material, or acts in support thereof, and such claim shall be construed to cover the corresponding structure, material, or acts described in the specification and equivalents thereof.

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

> An element in a claim for a combination may be expressed as a means or step for performing a specified function without the recital of structure, material, or acts in support thereof, and such claim shall be construed to cover the corresponding structure, material, or acts described in the specification and equivalents thereof.

Use of the word "means" (or "step for") in a claim with functional language creates a rebuttable presumption that the claim element is to be treated in accordance with 35 U.S.C. 112(f) (pre-AIA 35 U.S.C. 112, sixth paragraph). The presumption that 35 U.S.C. 112(f) (pre-AIA 35 U.S.C. 112, sixth paragraph) is invoked is rebutted when the function is recited with sufficient structure, material, or acts within the claim itself to entirely perform the recited function.

Absence of the word "means" (or "step for") in a claim creates a rebuttable presumption that the claim element **is not** to be treated in accordance with 35 U.S.C. 112(f) (pre-AIA 35 U.S.C. 112, sixth paragraph). The presumption that 35 U.S.C. 112(f) (pre-AIA 35 U.S.C. 112, sixth paragraph) is not invoked is rebutted when the claim

element recites function but fails to recite sufficiently definite structure, material or acts to perform that function.

Claim elements in this application that use the word “means” (or “step for”) are presumed to invoke 35 U.S.C. 112(f) except as otherwise indicated in an Office action. Similarly, claim elements that do not use the word “means” (or “step for”) are presumed not to invoke 35 U.S.C. 112(f) except as otherwise indicated in an Office action.

Claim limitation

“Means for receiving” in claim 20, 28, 29, 30, 31, 34;

“Means for transmitting” in claim 20, 22, 23, 24,35, 36, 37;

“Means for establishing” in claim 20, 33;

“Means for communicating” in claim 34;

has/have been interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, because it uses/they use a generic placeholder “**means”** coupled with functional language **“for”** without reciting sufficient structure to achieve the function. Furthermore, the generic placeholder is not preceded by a structural modifier.

Since the claim limitation(s) invokes 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, **claim(s) 20-37,77-102** has/have been interpreted to cover the corresponding structure described in the specification that achieves the claimed function, and equivalents thereof.

A review of the specification shows that the following appears to be the corresponding structure described in the specification for the 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph limitation:

"Means for receiving" ->"fig. 2: an input/output (I/O) port 56";

"Means for transmitting" ->"fig. 2: an input/output (I/O) port 56";

"Means for establishing" ->"fig. 2: telephone network interface 72, 70";

"Means for communicating" ->"fig. 2: telephone network interface 72, 70";

If applicant wishes to provide further explanation or dispute the examiner's interpretation of the corresponding structure, applicant must identify the corresponding structure with reference to the specification by page and line number, and to the drawing, if any, by reference characters in response to this Office action.

If applicant does **not** intend to have the claim limitation(s) treated under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112 , sixth paragraph, applicant may amend the claim(s) so that it/they will clearly not invoke 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, or present a sufficient showing that the claim recites/recite sufficient structure, material, or acts for performing the claimed function to preclude application of 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph.

For more information, see MPEP § 2173 *et seq.* and *Supplementary Examination Guidelines for Determining Compliance With 35 U.S.C. 112 and for Treatment of Related Issues in Patent Applications*, 76 FR 7162, 7167 (Feb. 9, 2011).

Claim Rejections - 35 USC § 103

The following is a quotation of pre-AIA 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-141 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over **Albina** et al. (US **20080056235** A1; hereinafter as "**Albina**") in view of **Boda** et al. (US **20030114145** A1). Hereinafter as "**Boda**", provided in IDS).

Albina discloses "Cellular-to-VoIP call establishment systems, methods, devices, and computer software" **(Title; see Fig. 1-3).**

Regarding claim 1, **Albina** teaches **a** method **(aforesaid "method" details in fig. 1 where mobile communication device 102 communicate with VoIP destination device 104 using wireless network 116)** of establishing communications between a wireless device **(aforesaid mobile device 102)** and a destination node **(aforesaid VoIP Destination Device 104)** of a communications network **(aforesaid Wireless Service Provider 116) ; mobile communication device 102 (aforesaid "wireless**

apparatus") communication with VoIP destination device 104 using Wireless Service Provider 116: [0027])) the method comprising:

Receiving from a user of the wireless device a destination node identifier associated with the destination node **(mobile communication device 102 receives contact information to contact VoIP Destination device 104 from a user of mobile communication device 102; Fig. 3: element 302; also fig 7 element 702);**

receiving an access code reply message from the access server in response to the access code request message **(mobile communication device 102 receives access code reply message from server; Fig. 3 element 304 and element 306: the client application receives the TDN and initiates a PSTN call to the TDN: [0038]),**

the access code identifying a communications channel on a gateway **(see Fig. 11: SIP Gateway 1112)** through which communications between the wireless device **(Fig. 1: element 102: Mobile communication Device 102, Element 1102 in Fig. 11)** and the destination node **(Fig. 1: element 104: VoIP Destination Device 104, element 1116 in Fig. 11)** can be conducted **(see fig. 7 element 706, 708: At block 706, module 600 receives a reply message from application server 110, which contains a TDN. At block 708, module 600 triggers a PSTN call to the TDN. If the VoIP destination is available, at block 710, the PSTN call may be answered and bridged to a connection with VoIP destination device 104: [0046]; the wireless operator's IP network element routes the response to mobile station 1102 (aforesaid Mobile Communication Device 102 in Fig. 1). The client application (which is installed in Mobile Communication Device 102) retrieves the VoIP network provider E.164**

number and places a traditional wireless telephony call to the E.164 number. The voice channel is assigned to mobile station 1102: [0087-[0090]; the access code being distinct from the destination node identifier **(TDN number is different that initial contact number; the media gateway sends a request to application server 110. The media gateway may provide information associated with the TDN to application server 110. Application server 110 receives the TDN, matches it to the corresponding identifier associated with the VoIP destination, and returns the identifier to the media gateway (block 314): [0038]);** and establishing communications between the wireless device and the destination node through the channel identified by the access code **(See Fig. 3: element 316: the media gateway establishes a session between mobile communication device 102 and VoIP destination device 104: [0038] last two lines).**

Albina, when teaching "*receiving from a user of the wireless device a destination node identifier associated with the destination node*", **Albina** appears silent on *"transmitting an access code request message to an access server the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device* ," the access code reply message including an access code based on the location identifier in the access code request message" which however had been known in the art at the time of instant application such as shown by **Boda** in "Initiating a wireless connection to a broadcast program" **(Title)**

Boda, in the same field of endeavor, discloses: *transmitting an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device* ***(see Fig. 3 where User equipment has a location information of the user equipment and destination address of the destination send to server ; With reference to FIG. 3, a message 301 sent by a user to the call server requesting that audio and/or video data be sent to the show representative may include a terminal or user ID 303, a broadcast channel ID 305, a destination address 307, location information 309: [0030]; see Fig. 1);*** the access code reply message including an access code based on the location identifier in the access code request message **(aforesaid server responses back based on predefined response criterial based on " demographic information": [0025]; aforesaid call server sends the response back to the mobile device from which the initial command to contact the show was received.. aforesaid server establishes a connection between the audience member's mobile device and a telephone associated with the show [0026]).**

Therefore, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to provide the technique of **Boda** to the system of **ALBINA** in order to provide direct communication when connection has been established, the call server withdraws from the connection, allowing the user to communicate with the show representative **(Boda, [0002** The motivation would be to improve and enhance

automated system for receiving calls from audience members, and to handle the calls with little human assistance **(Boda, [0006]).**

Regarding claim 2, the combination of **Albina, Boda,** specifically**, Boda** teaches, wherein transmitting comprises transmitting the access code request message to the access server on a non-voice network **(The show representative may send a reject message, a request to establish a voice communication, or other appropriate announcement [0024]).**

Regarding claim 3, the combination of **Albina, Boda,,** specifically**, Albina** teaches, wherein transmitting comprises transmitting the access code request message as a Short Messaging Service (SMS) message **(sensing request using mobile data network 106; mobile communication device 102 providing a data message to mobile data network 106, which is delivered to application server 110: [0033]; A. Originating cellular phone 1002 sends a data message using, for example, 1XRTT, WAP, SMS, etc. to an SIP application service (application server 1006): [0058]).**

Regarding claim 4, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein transmitting comprises transmitting the access code request message on a voice network **(fig. 2 where Mobile communication sent request using PSTN 108 network; mobile communication device 102 initiates a voice call (via PSTN 108) to the TDN which terminates at PSTN-to-VoIP gateway 112: [0033]).**

Regarding claim 5, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein transmitting the access code request message on a voice network comprises transmitting the access code request message as a Short Messaging Service (SMS) message **(sensing request using mobile data network 106; mobile communication device 102 providing a data message to mobile data network 106, which is delivered to application server 110: [0033]; A. Originating cellular phone 1002 sends a data message using, for example, 1XRTT, WAP, SMS, etc. to an SIP application service (application server 1006): [0058]).**

Regarding claim 6, the combination of **Albina, Boda,** specifically**, Boda** teaches, wherein the location identifier comprises an Internet Protocol (IP) address of the wireless device in a wireless Internet Protocol (IP) network **(see fig. 3: Location Information: location information can be IP address: [0019]).**

Regarding claim 7, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein the location identifier comprises an identifier of a wireless voice signal station in wireless communication with the wireless device **(The cellular-to-VoIP call establishment process establishes a voice session from originating cellular telephone 1002 to a SIP-based VoIP destination client 1014 using a temporary directory number (TDN: [0057]).**

Regarding claim 8, the combination of **Albina, Boda,** specifically**, Boda** teaches, wherein the location identifier comprises a user- configured identifier of a location associated with the wireless device **(user location: [0030]).**

Regarding claim 9, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein receiving the access code reply message comprises receiving the access code reply message from the access server on a non-voice network **(received over data network; mobile data network 106 in fig. 2).**

Regarding claim 10, the combination of **Albina, Boda,** specifically**, Boda** teaches, wherein receiving the access code reply message comprises receiving the access code reply message as a Short Messaging Service (SMS) message **(the call server may contact a show representative using SMS: [0015]).**

Regarding claim 11, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein receiving comprises receiving the access code reply message on a voice network **(over PSTN network; fig. 2).**

Regarding claim 12, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein receiving the access code reply message on a voice network comprises receiving the access code reply message as a Short Messaging Service (SMS) message **(the location information of telephone 100 may be calculated and**

delivered to VoIP adaptor 105 either via wireless link 113 that may include a radio link such as GPRS or SMS or via a connection 137 from the GMLC/MPC server 145: [0051]).

Regarding claim 13, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein receiving the access code reply message comprises receiving, in the access code reply message, an access code temporarily associated with the destination node identifier **(see fig. 3: a temporary directory number (TDN); element 306; application server 110 receives the data message from the client application and associates the identifier with a temporary directory number (TDN): [0038]).**

Regarding claim 14, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein receiving the access code reply message comprises receiving, in the access code reply message, a telephone number or an Internet Protocol (IP) address **(see fig. 3: a temporary directory number (TDN); element 306; application server 110 receives the data message from the client application and associates the identifier with a temporary directory number (TDN): [0038]).**

Regarding claim 15, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein establishing communications between the wireless device and the destination node comprises engaging a routing controller to route the call on a public switched telephone network (PSTN) or an IP network to the destination node **(fig. 3: Media**

gateway element 310; At block 310, the media gateway receives or detects the incoming call from mobile communication device 102. At block 312, the media gateway sends a request to application server 110: [0038]).

Regarding claim 16, the combination of **Albina, Boda,** specifically**, Albina** teaches, further comprising: receiving at the access server, the access code request message from the wireless device **(see fig. 1: application server 110 received request from mobile communication device 102 in fig. 1: also fig. 3 element 202, 304);** causing the access server to communicate with a routing controller to obtain from the routing controller the access code **(see fig. 3: element 310 where application server communicate with a media gateway),** wherein the access code identifies a communications channel associated with the location identifier **(A. Mobile station 1202 registers with registrar /location server 1210 through PDSN/SGSN (e.g., PDSN 1204). This occurs on application start and reoccurs every "Expires" (see c. below) seconds: [0105])** and wherein the access code is useable by the wireless device in a subsequent communication to cause the routing controller to establish a call to the destination node using the communications channel (**A. Mobile station 1202 registers with registrar /location server 1210 through PDSN/SGSN (e.g., PDSN 1204). This occurs on application start and reoccurs every "Expires" (see c. below) seconds: [0105]);** and Causing the access server to transmit the access code reply message to the wireless device **(The partner network media gateway returns**

the ISUP Answer message (ANM) to the originating MSC. [0162] Y. MSC 1206 brings mobile station 1202 up on voice channel. : [0161]).

Regarding claim 17, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein transmitting the access code reply message comprises transmitting the access code reply message as a Short Messaging Service (SMS) message **(sensing request using mobile data network 106; mobile communication device 102 providing a data message to mobile data network 106, which is delivered to application server 110: [0033]; A. Originating cellular phone 1002 sends a data message using, for example, 1XRTT, WAP, SMS, etc. to an SIP application service (application server 1006): [0058]).**

Regarding claim 18, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein transmitting the access code reply message comprises transmitting the access code reply message on a voice network **(fig. 2 where Mobile communication sent request using PSTN 108 network; mobile communication device 102 initiates a voice call (via PSTN 108) to the TDN which terminates at PSTN-to-VoIP gateway 112: [0033]).**

Regarding claim 19, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein transmitting the access code reply message on a voice network comprises transmitting the access code request message as a Short Messaging Service (SMS)

message **(sensing request using mobile data network 106; mobile communication device 102 providing a data message to mobile data network 106, which is delivered to application server 110: [0033]; A. Originating cellular phone 1002 sends a data message using, for example, 1XRTT, WAP, SMS, etc. to an SIP application service (application server 1006): [0058]).**

Regarding claim 20, **Albina** teaches **a** wireless apparatus **(aforesaid "wireless apparatus" detail in fig. 1 where mobile communication device 102 (aforesaid "wireless apparatus") communication with VoIP destination device 104 using Wireless Service Provider 116: [0027]))** comprising: means for receiving from a user of the wireless apparatus **(fig 1 element 102)** a destination node identifier associated with a destination node with which the user wishes to communicate **(mobile communication device 102 receives contact information to contact VoIP Destination device 104 from a user of mobile communication device 102; Fig. 3: element 302; also fig 7 element 702);** and means for receiving an access code reply message from the access server in response to the access code request message **(mobile communication device 102 receives access code reply message from server; Fig. 3 element 306: the client application receives the TDN and initiates a PSTN call to the TDN: [0038]),** the access code identifying a communications channel on a gateway **(see Fig. 11: SIP Gateway 1112)** through which communications between the wireless apparatus **(Fig. 1: element 102: Mobile communication Device 102, Element 1102 in Fig. 11)** and the destination node **(Fig. 1: element 104: VoIP**

Destination Device 104, element 1116 in Fig. 11) can be conducted **(see fig. 7 element 706, 708: At block 706, module 600 receives a reply message from application server 110, which contains a TDN. At block 708, module 600 triggers a PSTN call to the TDN. If the VoIP destination is available, at block 710, the PSTN call may be answered and bridged to a connection with VoIP destination device 104: [0046]; the wireless operator's IP network element routes the response to mobile station 1102 (aforesaid Mobile Communication Device 102 in Fig. 1). The client application (which is installed in Mobile Communication Device 102) retrieves the VoIP network provider E.164 number and places a traditional wireless telephony call to the E.164 number. The voice channel is assigned to mobile station 1102: [0087-[0090],** the access code being distinct from the destination node identifier **(TDN number is different that initial contact number; the media gateway sends a request to application server 110. The media gateway may provide information associated with the TDN to application server 110. Application server 110 receives the TDN, matches it to the corresponding identifier associated with the VoIP destination, and returns the identifier to the media gateway (block 314): [0038])**; and means for establishing communications between the wireless device and the destination node through the communications channel identified by the access code **(See Fig. 3: element 316: the media gateway establishes a session between mobile communication device 102 and VoIP destination device 104: [0038] last two lines).**

Albina, when teaching "*means for receiving from a user of the wireless apparatus a destination node identifier associated with a destination node with which the user wishes to communicate*", **Albina** appears silent on *"means for transmitting an access code request message to an access server the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device,"* the access code reply message including an access code based on the location identifier in the access code request message" which however had been known in the art at the time of instant application such as shown by **Boda** in "Initiating a wireless connection to a broadcast program" **(Title).**

Boda, in the same field of endeavor, discloses: means for *transmitting an access code request message to an access server the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device* ***(see Fig. 3 where User equipment has a location information of the user equipment and destination address of the destination send to server ; With reference to FIG. 3, a message 301 sent by a user to the call server requesting that audio and/or video data be sent to the show representative may include a terminal or user ID 303, a broadcast channel ID 305, a destination address 307, location information 309: [0030]; see Fig. 1);*** the access code reply message including an access code based on the location identifier in the access code request message **(aforesaid server responses back based on predefined response criterial based on " demographic information": [0025]; aforesaid call server sends**

the response back to the mobile device from which the initial command to contact the show was received.. aforesaid server establishes a connection between the audience member's mobile device and a telephone associated with the show [0026]).

Therefore, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to provide the technique of **Boda** to the system of **ALBINA** in order to provide direct communication when connection has been established, the call server withdraws from the connection, allowing the user to communicate with the show representative **(Boda, [0002** The motivation would be to improve and enhance automated system for receiving calls from audience members, and to handle the calls with little human assistance **(Boda, [0006]).**

Regarding claim 21, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein the transmitting means comprises a non- voice network interface for transmitting the access code request message to the access server on a non-voice network **(sensing request using mobile data network 106; mobile communication device 102 providing a data message to mobile data network 106, which is delivered to application server 110: [0033]).**

Regarding claim 22, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein the means for transmitting includes means for transmitting the access code

request message as a Short Messaging Service (SMS) message **(sensing request using mobile data network 106; mobile communication device 102 providing a data message to mobile data network 106, which is delivered to application server 110: [0033]; A. Originating cellular phone 1002 sends a data message using, for example, 1XRTT, WAP, SMS, etc. to an SIP application service (application server 1006): [0058]).**

Regarding claim 23, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein the means for transmitting comprises means for transmitting the access code request message on a voice network (**fig. 2 where Mobile communication sent request using PSTN 108 network; mobile communication device 102 initiates a voice call (via PSTN 108) to the TDN which terminates at PSTN-to-VoIP gateway 112: [0033]).**

Regarding claim 24, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein the means for transmitting the access code request message on a voice network comprises means for transmitting the access code request message as a Short Messaging Service (SMS) message **(sensing request using mobile data network 106; mobile communication device 102 providing a data message to mobile data network 106, which is delivered to application server 110: [0033]; A. Originating cellular phone 1002 sends a data message using, for example, 1XRTT, WAP, SMS, etc. to an SIP application service (application server 1006): [0058]).**

Regarding claim 25, the combination of **Albina, Boda,** specifically**, Boda** teaches, wherein the location identifier comprises an Internet Protocol (IP) address of the wireless apparatus in a wireless IP network **(see fig. 3: Location Information: location information can be IP address: [0019]).**

Regarding claim 26, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein the location identifier comprises an identifier of a wireless voice signal station in wireless communication with the wireless apparatus **(The cellular-to-VoIP call establishment process establishes a voice session from originating cellular telephone 1002 to a SIP-based VoIP destination client 1014 using a temporary directory number (TDN: [0057]).**

Regarding claim 27, the combination of **Albina, Boda,** specifically**, Boda** teaches, wherein the location identifier comprises a user- configured identifier of a location associated with the wireless apparatus **(user location: [0030]).**

Regarding claim 28, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein the means for receiving an access code reply message comprises a non-voice network interface for receiving the access code reply message on a non-voice network **(received over data network; mobile data network 106 in fig. 2).**

Regarding claim 10, the combination of **Albina, Boda,** specifically**, Bosa** teaches, wherein the means for receiving the access code request message comprises means for receiving the access code request message as a Short Messaging Service (SMS) message **(the call server may contact a show representative using SMS: [0015]).**

Regarding claim 30, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein the means for receiving comprises means for receiving the access code request message on a voice network **(over PSTN network; fig. 2).**

Regarding claim 31, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein the means for receiving the access code request message on a voice network comprises means for receiving the access code request message as a Short Messaging Service (SMS) message **(the location information of telephone 100 may be calculated and delivered to VoIP adaptor 105 either via wireless link 113 that may include a radio link such as GPRS or SMS or via a connection 137 from the GMLC/MPC server 145: [0051]).**

Regarding claim 32, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein the access code includes a telephone number or an IP address (**see fig. 3: a temporary directory number (TDN); element 306; application server 110 receives the data message from the client application and associates the identifier with a temporary directory number (TDN): [0038]).**

Regarding claim 33, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein the means for establishing communications comprises a mobile telephone network interface **(mobile communication device 102 has a wireless interface to communicate with mobile network in fig. 1).**

Regarding claim 34, the combination of **Albina, Boda,** specifically**, Albina** teaches, a routing controller **(gateway has a routing controller);** and
the access server , wherein an access server comprising:
means for receiving from the wireless apparatus the access code request message **(see fig. 1: application server 110 received request from mobile communication device 102 in fig. 1: also fig. 3 element 202, 304);**
means for communicating with the routing controller to obtain from the routing controller the access code **(see fig. 3: element 310 where application server communicate with a media gateway)** wherein the access code identifies a communications channel associated with the location identifier **(A. Mobile station 1202 registers with registrar /location server 1210 through PDSN/SGSN (e.g., PDSN 1204). This occurs on application start and reoccurs every "Expires" (see c. below) seconds: [0105])** and wherein the access code is useable by the wireless apparatus to cause the routing controller to establish a call to the destination node using the communications channel **(A. Mobile station 1202 registers with registrar /location server 1210 through PDSN/SGSN (e.g., PDSN 1204). This occurs on application start and reoccurs**

every "Expires" (see c. below) seconds: [0105]); and means for transmitting the access code reply message including the access code to the wireless apparatus **(The partner network media gateway returns the ISUP Answer message (ANM) to the originating MSC. [0162] Y. MSC 1206 brings mobile station 1202 up on voice channel. : [0161]).**

Regarding claim 35, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein the means for transmitting the access code reply message comprises means for transmitting the access code reply message as a Short Messaging Service (SMS) message **(sensing request using mobile data network 106; mobile communication device 102 providing a data message to mobile data network 106, which is delivered to application server 110: [0033]; A. Originating cellular phone 1002 sends a data message using, for example, 1XRTT, WAP, SMS, etc. to an SIP application service (application server 1006): [0058]).**

Regarding claim 36, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein the means for transmitting the access code reply message comprises means for transmitting the access code reply message on a voice network **(fig. 2 where Mobile communication sent request using PSTN 108 network; mobile communication device 102 initiates a voice call (via PSTN 108) to the TDN which terminates at PSTN-to-VoIP gateway 112: [0033]).**

Regarding claim 37, the combination of **Albina, Boda,,** specifically**, Albina** teaches, wherein the means for transmitting the access code reply message on a voice network comprises means for transmitting the access code request message as a Short Messaging Service (SMS) message **(sensing request using mobile data network 106; mobile communication device 102 providing a data message to mobile data network 106, which is delivered to application server 110: [0033]; A. Originating cellular phone 1002 sends a data message using, for example, 1XRTT, WAP, SMS, etc. to an SIP application service (application server 1006): [0058]).**

Regarding claim 38, **Albina** teaches A wireless apparatus **(aforesaid "wireless apparatus" detail in fig. 1 where mobile communication device 102 (aforesaid "wireless apparatus") communication with VoIP destination device 104; see Fig. 6: mobile communication device 102; (aforesaid Wireless Service Provider 116; a communication system 100 for enabling a mobile communication device 102 (e.g., a cellular telephone or other wireless device) to initiate and establish communication with a VoIP destination device 104. Communication system 100 provides the communication infrastructure for implementing unique cellular-to-VoIP call establishment processes. The call establishment process is from the cellular or wireless end (mobile communication device 102) to the VoIP end (VoIP destination device 104). In other words, the cellular-to-VoIP call establishment processes enable the user of a cellular or wireless telephone (or other mobile communication device) to place a call to a VoIP destination device: [0027]))**

comprising: a processor circuit comprising at least one processor **(see Fig. 6: processor 614);** a network interface in communication with the processor circuit **(see Fig. 6: wireless transceiver 616 which communicate with processor 614);** and a non-transitory computer readable medium **(see Fig. 6: memory 618)** having computer executable codes stored thereon for directing the processor circuit to cooperate with the network interface to **(memory instruct processor to communicate with wireless transceiver 616: memory 618 comprises specially-configured logic (i.e., cellular-to-VoIP call establishment module 600) and a list 620 of contacts. Module 600 comprises the logic for implementing the cellular-to-VoIP call establishment process on mobile communication device 102: [0042]):** receive from a user of the wireless apparatus a destination node identifier associated with a destination node with which the user wishes to communicate **(mobile communication device 102 receives contact information to contact VoIP Destination device 104 from a user of mobile communication device 102; Fig. 3: element 302; also fig 7 element 702);** receive an access code reply message from the access server in response to the access code request message **(mobile communication device 102 receives access code reply message from server; Fig. 3 element 306: the client application receives the TDN and initiates a PSTN call to the TDN: [0038]),** the access code identifying a communications channel on a gateway **(see Fig. 11: SIP Gateway 1112)** through which communications between the wireless apparatus **(Fig. 1: element 102: Mobile communication Device 102, Element 1102 in Fig. 11)** and the destination node **(Fig. 1: element 104: VoIP Destination Device**

104, element 1116 in Fig. 11) can be conducted **(see fig. 4 element 706, 708: At block 706, module 600 receives a reply message from application server 110, which contains a TDN. At block 708, module 600 triggers a PSTN call to the TDN. If the VoIP destination is available, at block 710, the PSTN call may be answered and bridged to a connection with VoIP destination device 104: [0046]; The wireless operator's IP network element routes the response to mobile station 1102 (aforesaid Mobile Communication Device 102 in Fig. 1). The client application (which is installed in Mobile Communication Device 102) retrieves the VoIP network provider E.164 number and places a traditional wireless telephony call to the E.164 number. The voice channel is assigned to mobile station 1102: [0087-[0090],** The access code being distinct from the destination node identifier **(TDN number is different that initial contact number; the media gateway sends a request to application server 110. The media gateway may provide information associated with the TDN to application server 110. Application server 110 receives the TDN, matches it to the corresponding identifier associated with the VoIP destination, and returns the identifier to the media gateway (block 314): [0038])**; and establish communications between the wireless device and the destination node through the communications channel identified by the access code **(See Fig. 3: element 316: the media gateway establishes a session between mobile communication device 102 and VoIP destination device 104: [0038] last two lines).**

Albina, when teaching "*receiving from a user of the wireless device a destination node identifier associated with the destination node"*, **Albina** appears silent on *"transmitting an access code request message to an access server the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device,"* the access code reply message including an access code based on the location identifier in the access code request message" which however had been known in the art at the time of instant application such as shown by **Boda** in "Initiating a wireless connection to a broadcast program" **(Title)**

Boda, in the same field of endeavor, discloses: *transmitting an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device* ***(see Fig. 3 where User equipment has a location information of the user equipment and destination address of the destination send to server ; With reference to FIG. 3, a message 301 sent by a user to the call server requesting that audio and/or video data be sent to the show representative may include a terminal or user ID 303, a broadcast channel ID 305, a destination address 307, location information 309: [0030]; see Fig. 1:);*** the access code reply message including an access code based on the location identifier in the access code request message **(aforesaid server responses back based on predefined response criterial based on " demographic information": [0025]; aforesaid call server sends the response back to the mobile device from which the initial command to**

contact the show was received.. aforesaid server establishes a connection between the audience member's mobile device and a telephone associated with the show [0026]).

Therefore, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to provide the technique of **Boda** to the system of **ALBINA** in order to provide direct communication when connection has been established, the call server withdraws from the connection, allowing the user to communicate with the show representative **(Boda, [0002** The motivation would be to improve and enhance automated system for receiving calls from audience members, and to handle the calls with little human assistance **(Boda, [0006]).**

Regarding claim 39, the claim is interpreted and rejected for the same reason as set forth in **claim 2.**

Regarding claim 40, the claim is interpreted and rejected for the same reason as set forth in **claim 3.**

Regarding claim 41, the claim is interpreted and rejected for the same reason as set forth in **claim 4.**

Regarding claim 42, the claim is interpreted and rejected for the same reason as set forth in **claim 5.**

Regarding claim 43, the claim is interpreted and rejected for the same reason as set forth in **claim 6.**

Regarding claim 44, the claim is interpreted and rejected for the same reason as set forth in **claim 7.**

Regarding claim 45, the claim is interpreted and rejected for the same reason as set forth in **claim 8.**

Regarding claim 46, the claim is interpreted and rejected for the same reason as set forth in **claim 9.**

Regarding claim 47, the claim is interpreted and rejected for the same reason as set forth in **claim 6.**

Regarding claim 48, the combination of **Albina, Boda,** specifically**, Boda** teaches, wherein the network interface comprises a mobile telephone network interface, and wherein the codes for directing the processor circuit to establish communications between the wireless device and the destination node to include codes for directing the processor circuit to cause a call to be initiated using the mobile telephone network interface on a mobile telephone network **(see fig. 1 TERMINAL Device 129 , 127 communicate with TV WOW Studio Telephone 119 using VoIP NETWORK and wireless network).**

Regarding claim 49, the combination of **Albina, Boda,** specifically**, Albina** teaches, further comprising: a routing controller **(gateway has a routing controller**; and

an access server comprising a processor circuit and a computer readable medium in communication with the processor circuit, the computer readable medium encoded with codes for directing the processor circuit of the access server to:

receive the access code request message from the wireless apparatus **(see fig. 1: application server 110 received request from mobile communication device 102 in fig. 1: also fig. 3 element 202, 304);** communicate with the routing controller to obtain from the routing controller the access code wherein the access code identifies a communications channel associated with the location identifier and wherein the access code is useable by the wireless apparatus to cause the routing controller to establish a call to the destination node using the communications channel **A. Mobile station 1202 registers with registrar /location server 1210 through PDSN/SGSN (e.g., PDSN 1204). This occurs on application start and reoccurs every "Expires" (see c. below) seconds: [0105]);** and transmit the access code reply message to the wireless apparatus **(The partner network media gateway returns the ISUP Answer message (ANM) to the originating MSC. [0162] Y. MSC 1206 brings mobile station 1202 up on voice channel. : [0161]).**

Regarding claim 50, **Albina** teaches a non-transitory computer readable medium having stored thereon computer executable codes for directing a processor circuit of a wireless device to establish communications with a destination node on a network **(aforesaid Wireless Service Provider 116; a communication system 100 for enabling a mobile communication device 102 (e.g., a cellular telephone or other**

wireless device) to initiate and establish communication with a VoIP destination device 104. Communication system 100 provides the communication infrastructure for implementing unique cellular-to-VoIP call establishment processes. The call establishment process is from the cellular or wireless end (mobile communication device 102) to the VoIP end (VoIP destination device 104). In other words, the cellular-to-VoIP call establishment processes enable the user of a cellular or wireless telephone (or other mobile communication device) to place a call to a VoIP destination device: [0027]), the codes comprising codes for directing the processor circuit to :

cause the wireless device to receive from a user of the wireless device a destination node identifier associated with the destination node **(mobile communication device 102 receives contact information to contact VoIP Destination device 104 from a user of mobile communication device 102; Fig. 3: element 302; also fig 7 element 702);** the access code identifying a communications channel on a gateway **(see Fig. 11: SIP Gateway 1112)** through which communications between the wireless device **(Fig. 1: element 102: Mobile communication Device 102, Element 1102 in Fig. 11)** and the destination node **(Fig. 1: element 104: VoIP Destination Device 104, element 1116 in Fig. 11)** can be conducted **(see fig. 4 element 706, 708: At block 706, module 600 receives a reply message from application server 110, which contains a TDN. At block 708, module 600 triggers a PSTN call to the TDN. If the VoIP destination is available, at block 710, the PSTN call may be answered and bridged to a connection with VoIP destination device 104: [0046]; The wireless operator's**

IP network element routes the response to mobile station 1102 (aforesaid Mobile Communication Device 102 in Fig. 1). The client application (which is installed in Mobile Communication Device 102) retrieves the VoIP network provider E.164 number and places a traditional wireless telephony call to the E.164 number. The voice channel is assigned to mobile station 1102: [0087-[0090], the access code being distinct from the destination node identifier **(TDN number is different that initial contact number; the media gateway sends a request to application server 110. The media gateway may provide information associated with the TDN to application server 110. Application server 110 receives the TDN, matches it to the corresponding identifier associated with the VoIP destination, and returns the identifier to the media gateway (block 314): [0038]);** and cause the wireless device to use the access code establish communications between the wireless device and the destination node through the communications channel identified by the access code **(See Fig. 3: element 316: the media gateway establishes a session between mobile communication device 102 and VoIP destination device 104: [0038] last two lines).**

Albina, when teaching "*cause the wireless device to receive from a user of the wireless device a destination node identifier associated with the destination node"*, **Albina** appears silent on *"cause the wireless device to transmit an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of*

the wireless device; cause the wireless device to receive an access code reply message comprising an Internet Protocol (IP) address from the access server in response to the access code request message, the access code reply message including an access code based on the location identifier in the access code request message" which however had been known in the art at the time of instant application such as shown by **Boda** in "Initiating a wireless connection to a broadcast program" **(Title)**

Boda, in the same field of endeavor, discloses: *cause the wireless device to transmit an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device* ***(see Fig. 3 where User equipment has a location information of the user equipment and destination address of the destination send to server ; With reference to FIG. 3, a message 301 sent by a user to the call server requesting that audio and/or video data be sent to the show representative may include a terminal or user ID 303, a broadcast channel ID 305, a destination address 307, location information 309: [0030]; see Fig. 1);*** *cause the wireless device to receive an access code reply message comprising an Internet Protocol (IP) address from the access server in response to the access code request message* ***(broadcast to mobile terminals via data packets sent over a network (e.g., IP packets sent over the Internet: [0016]),*** *the access code reply message including an access code based on the location identifier in the access code request*

message **(aforesaid server responses back based on predefined response criterial based on " demographic information": [0025]; aforesaid call server sends the response back to the mobile device from which the initial command to contact the show was received.. aforesaid server establishes a connection between the audience member's mobile device and a telephone associated with the show [0026]).**

Therefore, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to provide the technique of **Boda** to the system of **ALBINA** in order to provide direct communication when connection has been established, the call server withdraws from the connection, allowing the user to communicate with the show representative **(Boda, [0002** The motivation would be to improve and enhance automated system for receiving calls from audience members, and to handle the calls with little human assistance **(Boda, [0006]).**

Regarding claim 51, the claim is interpreted and rejected for the same reason as set forth in **claim 1.**

Regarding claim 52, the claim is interpreted and rejected for the same reason as set forth in **claim 2.**

Regarding claim 53, the claim is interpreted and rejected for the same reason as set forth in **claim 3.**

Regarding claim 54, the claim is interpreted and rejected for the same reason as set forth in **claim 4.**

Regarding claim 55, the claim is interpreted and rejected for the same reason as set forth in **claim 5.**

Regarding claim 56, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein the routing controller is operably configured to route a call between the wireless device and the destination node when the wireless device uses the access code to establish communications between the wireless device and the destination node **(see fig. 2 where PSTN-TO-VoIP Gateway 112 router the call from mobile communication device 102 to VoIP destination device 104: PSTN-to-VoIP gateway 112 detects the incoming call to the TDN and, in response, sends a query to application server 110 requesting the unique identifier associated with the TDN. At reference E, application server 110 sends an invite message to VoIP destination device 104: [0033]).**

Regarding claim 57, the combination of **Albina, Boda,** specifically**, Boda** teaches, wherein causing the routing controller to produce the access code comprises causing the access code to be selected from a pool of access codes **(The access information**

may include a telephone number, an email address, an IP address, a URL, an SMS message addres: [0019]; Upon instructing the mobile device to contact the studio, the mobile device may automatically send a request to contact the show to the call server based on any one of the parameter: [0020]).

Regarding claim 58, the combination of **Albina, Boda,** specifically**, Boda** teaches, further comprising determining from the location identifier a local calling area associated with the wireless device and causing the access server to select an access code associated with a calling area matching the local calling area associated with the wireless device **(see Fig. 1]).**

Regarding claim 59, the combination of **Albina, Boda,,** specifically**, Boda** teaches, further comprising accessing a location field of a dialing profile associated with the wireless device when a local calling area cannot be determined from the location identifier and determining a local calling area associated with the wireless device from the contents of the location field and selecting an access code associated with a calling area matching the local calling area associated with the wireless device **(local call: [0024-[0032]]).**

Regarding claim 60, the claim is interpreted and rejected for the same reason as set forth in **claim 6.**

Regarding claim 61, the claim is interpreted and rejected for the same reason as set forth in **claim 7.**

Regarding claim 62, the claim is interpreted and rejected for the same reason as set forth in **claim 8.**

Regarding claim 63, the combination of **Albina, Boda,** specifically**, Boda** teaches, wherein at least one of the access codes in the pool of access codes identifies an IP network address as a possible communications channel through which the communications can be conducted **(The access information may include a telephone number, an email address, an IP address: [0019]).**

Regarding claim 64, the combination of **Albina, Boda,** specifically**, Boda** teaches, wherein the access code identifies an IP network address as a possible communications channel through which the communications can be conducted, the method further comprising enabling communications between the wireless device and the destination node to be established through an IP network in response to a call received at the IP network address from the wireless device using the access code identifying the iP network address **(The access information may include a telephone number an IP address: [0019]).**

Regarding claim 65, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein at least one of the access codes identifies a telephone number as a possible communications channel through which the communications can be conducted **(telephone number; abstract).**

Regarding claim 66, the combination of **Albina, Boda,** specifically**, Albina** teaches, further comprising enabling communications between the wireless device and the destination node to be established through a public switched telephone network (PSTN) in response to a call received at the telephone number from the wireless device using the access code identifying the telephone number **(see Fig. 2: PSTN network 108).**

Regarding claim 67, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein the access code request message includes a caller identifier and wherein the method further comprises associating the caller identifier included in the access code request message with the access code produced by the routing controller **(identifying a temporary directory number (TDN): [abstract]).**

Regarding claim 68, the combination of **Albina, Boda,** specifically**, Albina** teaches, further comprising enabling the routing controller to facilitate communications in response to use of the access code by the wireless device only if the caller identifier associated with the access code used by the wireless device to establish communications with the destination node identifies the wireless device **(see fig. 4:**

SEND TDN to the Mobile phone: application server 110 sends the TDN to mobile communication device 102: [0039]).

Regarding claim 69, the combination of **Albina, Boda,** specifically**, Albina** teaches, further comprising associating the destination node identifier included in the access code request message with the access code produced by the routing controller **(see fig. 7: element 708: module 600 triggers a PSTN call to the TDN. If the VoIP destination is available, at block 710, the PSTN call may be answered and bridged to a connection with VoIP destination device 104: [0046]).**

Regarding claim 70, the combination of **Albina, Boda,** specifically**, Albina** teaches, wherein the associating the caller identifier and the destination node identifier with the selected access code occurs only when: a) the access code is not already associated with a destination node identifier; or b) the access code is already associated with another destination node identifier, and a timeout value associated with the another destination node identifier has expired **(A business-rule-defined timer may be set and the client application (on originating cellular phone 1002) configured to await a call to the TDN. : [0060]).**

Regarding claim 71, the combination of **Albina, Boda,** specifically**, Albina** teaches, further comprising causing a timestamp to be associated with the access code, for use in determining when the usability of the access code to initiate a call to the destination

node will expire, and causing the timestamp to be included in the access code reply message transmitted to the wireless device **(A business-rule-defined timer may be set and the client application (on originating cellular phone 1002) configured to await a call to the TDN. : [0060]).**

Regarding claim 72, the combination of **Albina, Boda,** specifically**, Albina** teaches, further comprising causing communications to be permitted between the wireless device and the destination node when the wireless device seeks to establish a call to the destination node using the access code transmitted in the access code reply message when the timestamp associated with the access code indicates the usability of the access code has not expired, and causing the communications to be prevented when the timestamp indicates the usability of the access code has expired **(A business-rule-defined timer may be set and the client application (on originating cellular phone 1002) configured to await a call to the TDN. : [0060]).**

Regarding claim 73, the claim is interpreted and rejected for the same reason as set forth in **claim 2.**

Regarding claim 74, the claim is interpreted and rejected for the same reason as set forth in **claim 3.**

Regarding claim 75, the claim is interpreted and rejected for the same reason as set forth in **claim 4.**

Regarding claim 76, the claim is interpreted and rejected for the same reason as set forth in **claim 5.**

Regarding claim 77, the claim is interpreted and rejected for the same reason as set forth in **claim 1.**

Regarding claim 74-81, the claim is interpreted and rejected for the same reason as set forth in **claim 2-5** respectively

Regarding claim 82, the combination of **Albina, Boda,** specifically**, Boda** teaches, further comprising the routing controller and wherein routing controller is operably configured to route a call between the wireless device and the destination node **(.See Fig. 1: call through wireless network)**

Regarding claim 83, the combination of **Albina, Boda,** specifically**, Boda** teaches, wherein the routing controller is operably configured to select the access code from a pool of access codes **(.See Fig. 1: call through wireless network).**

Regarding claim 84, the claim is interpreted and rejected for the same reason as set forth in **claim 59.**

Regarding claim 85, the combination of **Albina, Boda,** specifically**, Boda** teaches, a dialing profile associated with the wireless device, the dialing profile including a location field (**[0024-[0030]]);** and wherein the routing controller is operably configured to determine a local calling area associated with the wireless device from the contents of the location field and to select an access code associated with a calling area matching the local calling area associated with the wireless device, when a local calling area associated with the wireless device cannot be determined from the location identifier **([0024-[0030]**

Regarding claim 86-88, the claim is interpreted and rejected for the same reason as set forth in **claim 25-27.**

Regarding claim 89-102, the claim is interpreted and rejected for the same reason as set forth in **claim 63-76.**

Regarding claim 103, **Albina** teaches an apparatus **(see Fig.1: Application Server 110)** for enabling a wireless device **(aforesaid mobile device 102)** to establish communications with a destination node **(aforesaid VoIP Destination Device 104) (aforesaid Wireless Service Provider 116; a communication system 100 for enabling a mobile communication device 102 (e.g., a cellular telephone or other wireless device) to initiate and establish communication with a VoIP destination**

device 104. Communication system 100 provides the communication infrastructure for implementing unique cellular-to-VoIP call establishment processes. The call establishment process is from the cellular or wireless end (mobile communication device 102) to the VoIP end (VoIP destination device 104). In other words, the cellular-to-VoIP call establishment processes enable the user of a cellular or wireless telephone (or other mobile communication device) to place a call to a VoIP destination device: [0027]), the apparatus comprising:

a processor circuit including at least one processor **(Application server must have a processor);** a network interface in communication with the processor circuit **(must have network interface, See ARROW in both direction in Fig. 1 and Fig. 2);** and a non-transitory computer readable medium having stored thereon computer executable codes for directing the at least one processor to:

receive from the wireless device **(mobile communication device 102)** an access code request message including a destination node identifier associated with the destination node **(see fig. element 304: At block 304, the client application (aforesaid "mobile communication device 102") determines that the "name" represents a VoIP subscriber, and then sends a data message to application server 110. The data message identifies the VoIP destination with whom the user wants to establish a session: [0037])**; cause a routing controller **(see Fig. 11: SIP Gateway 1112)** to produce an access code identifying a communications channel on a gateway through which communications between the wireless device **(Fig. 1: element 102: Mobile communication Device 102, Element 1102 in Fig. 11)** and the destination node **(Fig.**

1: element 104: VoIP Destination Device 104, element 1116 in Fig. 11) can be conducted **(see fig. 4 element 706, 708: At block 706, module 600 receives a reply message from application server 110, which contains a TDN. At block 708, module 600 triggers a PSTN call to the TDN. If the VoIP destination is available, at block 710, the PSTN call may be answered and bridged to a connection with VoIP destination device 104: [0046]; The wireless operator's IP network element routes the response to mobile station 1102 (aforesaid Mobile Communication Device 102 in Fig. 1). The client application (which is installed in Mobile Communication Device 102) retrieves the VoIP network provider E.164 number and places a traditional wireless telephony call to the E.164 number. The voice channel is assigned to mobile station 1102: [0087-[0090]**, in response to receiving the access code request message, and such that the access code is useable by the wireless device to initiate communications with the destination node through the communications channel **(see fig. 3 element 310, 312, 314: The media gateway may provide information associated with the TDN to application server 110. Application server 110 receives the TDN, matches it to the corresponding identifier associated with the VoIP destination, and returns the identifier to the media gateway (block 314).: [0038]);** and transmit an access code reply message including the access code to the wireless device **(See Fig. 3: element 316: the media gateway establishes a session between mobile communication device 102 and VoIP destination device 104: [0038] last two lines).**

Albina, when teaching "*receiving from a user of the wireless device a destination node identifier associated with the destination node*", **Albina** appears silent on *"transmitting an access code request message to an access server the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device; such that the access code is produced based on the location identifier of the access code request message received from an area code associated with the wireless device* " which however had been known in the art at the time of instant application such as shown by **Boda** in "Initiating a wireless connection to a broadcast program" **(Title)**

Boda, in the same field of endeavor, discloses: *transmitting an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device* ***(see Fig. 3 where User equipment has a location information of the user equipment and destination address of the destination send to server ; With reference to FIG. 3, a message 301 sent by a user to the call server requesting that audio and/or video data be sent to the show representative may include a terminal or user ID 303, a broadcast channel ID 305, a destination address 307, location information 309: [0030]; see Fig. 1:);*** the access code reply message including an access code based on the location identifier in the access code request message **(aforesaid server responses back based on predefined response criterial based on " demographic information": [0025]; aforesaid call server sends**

the response back to the mobile device from which the initial command to contact the show was received.. aforesaid server establishes a connection between the audience member's mobile device and a telephone associated with the show [0026]).

Therefore, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to provide the technique of **Boda** to the system of **ALBINA** in order to provide direct communication when connection has been established, the call server withdraws from the connection, allowing the user to communicate with the show representative **(Boda, [0002** The motivation would be to improve and enhance automated system for receiving calls from audience members, and to handle the calls with little human assistance **(Boda, [0006]).**

Regarding claim 130, **Albina** teaches **a** method **(aforesaid "method" details in fig. 1 where mobile communication device 102 communicate with VoIP destination device 104 using wireless network 116)** for enabling a wireless device **(aforesaid mobile device 102)** to establish communications with a destination node **(aforesaid VoIP Destination Device 104)**, the method comprising:
receiving a request message including a destination node identifier associated with the destination node and a location identifier associated with a geographical location of the wireless device **(mobile communication device 102 receives contact information to contact VoIP Destination device 104 from a user of mobile communication device**

102; Fig. 3: element 302; also fig 7 element 702), transmitting a reply message including the access code to the wireless device **(See Fig. 3: element 316: the media gateway establishes a session between mobile communication device 102 and VoIP destination device 104: [0038] last two lines).**

Albina, when teaching "*receiving from a user of the wireless device a destination node identifier associated with the destination node"*, **Albina** appears silent on *"transmitting an access code request message to an access server the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device,"* which however had been known in the art at the time of instant application such as shown by **Boda** in "Initiating a wireless connection to a broadcast program" **(Title)**

Boda, in the same field of endeavor, discloses: *transmitting an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device* ***(see Fig. 3 where User equipment has a location information of the user equipment and destination address of the destination send to server ; With reference to FIG. 3, a message 301 sent by a user to the call server requesting that audio and/or video data be sent to the show representative may include a terminal or user ID 303, a broadcast channel ID 305, a destination address 307, location information 309: [0030]; see Fig. 1:);*** the access code reply

message including an access code based on the location identifier in the access code request message **(aforesaid server responses back based on predefined response criterial based on " demographic information": [0025]; aforesaid call server sends the response back to the mobile device from which the initial command to contact the show was received.. aforesaid server establishes a connection between the audience member's mobile device and a telephone associated with the show [0026]).**

Therefore, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to provide the technique of **Boda** to the system of **ALBINA** in order to provide direct communication when connection has been established, the call server withdraws from the connection, allowing the user to communicate with the show representative **(Boda, [0002** The motivation would be to improve and enhance automated system for receiving calls from audience members, and to handle the calls with little human assistance **(Boda, [0006]).**

Regarding claim 131, the claim is interpreted and rejected for the same reason as set forth in **claim 121.**

Regarding claim 132, the claim is interpreted and rejected for the same reason as set forth in **claim 14.**

Regarding claim 133, the claim is interpreted and rejected for the same reason as set forth in **claim 15.**

Regarding claim 134, the combination of **Albina, Boda,** specifically**, Boda** teaches, wherein causing the routing controller to produce the access code further comprises: determining, from the location identifier, a current location of the wireless device; and searching an access code association database table to identify an access code associated with the current location of the wireless device, but not presently associated with communications to any destination node, to produce the access code transmitted in the access code reply message (**[0024-0030]).**

Regarding claim 104-116, the claim is interpreted and rejected for the same reason as set forth in **claim 2-10.**

Regarding claim 117-124, the claim is interpreted and rejected for the same reason as set forth in **claim 65-72.**

Regarding claim 125-128, the claim is interpreted and rejected for the same reason as set forth in **claim 2-5.**

Regarding claim 129, the claim is interpreted and rejected for the same reason as set forth in **claim 103.**

Regarding claim 129, the claim is interpreted and rejected for the same reason as set forth in **claim 103.**

Regarding claim 135, the combination of **Albina, Boda,** specifically**, Boda** teaches, wherein the access code request message is transmitted from the wireless device via a WiFi network and the access code reply message is received by the wireless device via the WiFi network (WiFi network/cellular network: [0020]-[0040]).

Regarding claim 136, the combination of **Albina, Boda,** specifically**, Boda** teaches, wherein the destination node identifier and the location identifier are transmitted at the same time **([0030]]).**

Regarding claim 137, the combination of **Albina, Boda,** specifically**, Boda** teaches, teaches,, wherein the access code is based on an area code corresponding with a location identified by the location identifier **(location id: [0030]).**

Regarding claim 137, the combination of **Albina, Boda,** specifically**, Boda** teaches,, wherein the access code is based on an area code corresponding with a location identified by the location identifier **(location id: [0030]).**

Regarding claim 137, the combination of **Albina, Boda,** specifically**, Boda** teaches,, wherein the access code is based on an area code corresponding with a location identified by the location identifier **(location id: [0030]).**

Regarding claim 138, the combination of **Albina, Boda,** specifically**, Boda** teaches, wherein the access code reply message identifies an Internet Protocol (IP) network address of the communications channel through which the communications can be conducted, wherein the access code is useable by the wireless device to initiate the communications with the destination node through the communications channel **(VoIP Encoding VoIP: [0124-0125]).**

Regarding claim 139, the combination of **Albina, Boda,** specifically**, Boda** teaches, wherein the access code reply message identifies an Internet Protocol (IP) network address associated with the communications channel through which the communications can be conducted, wherein the Internet Protocol (IP) network address is useable by the wireless device to initiate the communications with the destination node through the communications channel **(VoIP Encoding VoIP : [0022-0025]).**

Regarding claim 140, the combination of **Albina, Boda,** specifically**, Boda** teaches, further comprising: (a) receiving, in the access code reply message, an Internet Protocol (IP) address; and (b) establishing the communications between the wireless device and the destination node based on the Internet Protocol (IP) address received in the access code reply message. **(VoIP Encoding VoIP : [0124-0125]).**

Regarding claim 141, the combination of **Albina, Boda,** specifically, **Boda** teaches, wherein the access code received in the access code reply message does not comprise a telephone number**(VoIP Encoding VoIP : [0022-0025]).**

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to M MOSTAZIR RAHMAN whose telephone number is (571)272-4785. The examiner can normally be reached on 8:00 to 16:30 PST. Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Lai can be reached on 571-272-9741. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/M MOSTAZIR RAHMAN/
Examiner, Art Unit 2411

/Andrew Lai/
Supervisory Patent Examiner, Art Unit 2411

Notice of References Cited	Application/Control No. 14/035,806	Applicant(s)/Patent Under Reexamination BJÖRSELL ET AL.	
	Examiner M MOSTAZIR RAHMAN	Art Unit 2411	Page 1 of 1

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-2003/0114145 A1	06-2003	Boda, Peter Pal	H04L67/04	455/412.1
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	C	US-				
	D	US-				
	E	US-				
	F	US-				
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	H	US-				
	I	US-				
	J	US-				
	K	US-				
	L	US-				
	M	US-				

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	N					
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	P					
	Q					
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	S					
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*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	14/035,806
	Filing Date	September 24, 2013
	First Named Inventor	Björsell, Johan Emil Viktor
	Art Unit	2411
(Multiple sheets used when necessary)	Examiner	Rahman, M. Mostazir
SHEET 1 OF 1	Attorney Docket No.	DIGIF.004C1

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Examiner Initials	Cite No.	Document Number *Number - Kind Code (if known)* Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	6,036,090	03-14-2000	Rahman et al.	
	2	6,185,414 B1	02-06-2001	Brunner et al.	
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Examiner Initials	Cite No.	Foreign Patent Document *Country Code-Number-Kind Code* Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T[1]

NON PATENT LITERATURE DOCUMENTS

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, page(s), volume-issue number(s), publisher, city and/or country where published.	T[1]

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Examiner Signature /M Mostazir Rahman/	Date Considered 06/27/2018

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U.S. PATENT DOCUMENTS					
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FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document *Country Code-Number-Kind Code* Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T[1]

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	1	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Cases IPR2016-01198 *and* IPR2016-01201, Patents 9,179,005 B2 *and* 8,542,815 B2; **ORDER, Conduct of Proceeding, *37 C.F.R. § 42.5;*** Paper No. 54, Entered: December 20, 2017; 4 pages.	
	2	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01201, Patent 8,542,815; **PETITIONER'S MOTION FOR ENTRY OF JUDGMENT IN FAVOR OF PETITIONER etc**; Paper 55, Date: December 20, 2017; 18 pages.	
	3	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01201, Patent 8,542,815; **PETITIONER'S UPDATED EXHIBIT LIST**; Date: December 22, 2017; 4 pages.	
	4	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01201, Patent 8,542,815; **Apple EXHIBIT 1019 – September 18, 2017 VOIP-PAL WEBSITE advertising Dr. Sawyer's Letters**; Date: December 20, 2017; 1 page.	
	5	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01201, Patent 8,542,815; **Apple EXHIBIT 1020 – September 2017 VOIP-PAL WEBSITE posting and linking all of Dr. Sawyer's Letters**; Date: December 20, 2017; 2 pages.	
	6	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, vs. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01198, Patent 9,179,005 B2 *and* Case No. IPR2016-01201, Patent 8,542,815 B2; IPR2016-01201 **Apple EXHIBIT 1021 – TELEPHONIC HEARING BEFORE THE ADMINISTRATIVE PATENT JUDGES:** December 19, 2017; 25 pages.	
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(Multiple sheets used when necessary)	Examiner	Rahman, M. Mostazir
SHEET 2 OF 7	Attorney Docket No.	DIGIF.004C1

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	8	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01198, Patent 9,179,005; **PETITIONER'S UPDATED EXHIBIT LIST**; Date: December 22, 2017; 4 pages.	
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	11	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, vs. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01198, Patent 9,179,005 B2 *and* Case No. IPR2016-01201, Patent 8,542,815 B2; IPR2016-01198 **Apple EXHIBIT 1021 – TELEPHONIC HEARING BEFORE THE ADMINISTRATIVE PATENT JUDGES:** December 19, 2017; 25 pages.	
	12	**EXHIBIT 3001** filed December 20, 2017 - Letter from Ryan L. Thomas dated December 19, 2017 re Representation of VoIP-Pal.com, Inc. in Conference Call to the Administrative Patent Judges in re IPR2016-01198 and IPR-2016-01201; 1 page.	
	13	**EXHIBIT 3002** filed December 20, 2017 - Email from Attorney Adam Seitz dated December 15, 2017 to the Administrative Patent Judges in re IPR2016-01198 and IPR-2016-01201 re **AUTHORIZATION TO FILE MOTION FOR SANCTIONS**; 1 page.	
	14	**EXHIBIT 3003** filed December 20, 2017 - Letter from Dr. Thomas E. Sawyer (Shareholder) dated May 1, 2017 to PTAB Chief Judge David P. Ruschke in re IPR2016-01198 and IPR-2016-01201 re **REVIEW OF PROCEEDINGS**, 6 pages.	
	15	**EXHIBIT 3004** filed December 20, 2017 - Letter from Dr. Thomas E. Sawyer (Shareholder) dated June 21, 2017 to PTAB Chief Judge David P. Ruschke in re IPR2016-01198 and IPR-2016-01201 re **REVIEW OF PROCEEDINGS**, 3 pages.	
	16	**EXHIBIT 3005** filed December 20, 2017 - Letter from Dr. Thomas E. Sawyer (Shareholder) dated July 11, 2017 to PTAB Chief Judge David P. Ruschke in re IPR2016-01198 and IPR-2016-01201 re **REVIEW OF PROCEEDINGS**, 5 pages.	
	17	**EXHIBIT 3006** filed December 20, 2017 - Letter from Dr. Thomas E. Sawyer (Shareholder) dated July 27, 2017 to the Secretary of the Department of Commerce Hon. Wilbur Ross et al. in re IPR2016-01198 and IPR-2016-01201 re **REVIEW OF PROCEEDINGS**, 6 pages.	
	18	**EXHIBIT 3007** filed December 20, 2017 - Letter from Dr. Thomas E. Sawyer (Shareholder) dated August 31, 2017 to the Secretary of the Department of Commerce Hon. Wilbur Ross in re IPR2016-01198 and IPR-2016-01201 re **REVIEW OF PROCEEDINGS**, 8 pages.	
	19	**EXHIBIT 3008** filed December 20, 2017 - Letter from Dr. Thomas E. Sawyer (Shareholder) dated October 23, 2017 to the PTAB Chief Judge David P. Ruschke et al. in re IPR2016-01198 and IPR-2016-01201 re **REVIEW OF PROCEEDINGS**, 10 pages.	

Examiner Signature	/M Mostazir Rahman/	Date Considered	06/27/2018

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	14/035,806
	Filing Date	September 24, 2013
	First Named Inventor	Björsell, Johan Emil Viktor
	Art Unit	2411
(Multiple sheets used when necessary)	Examiner	Rahman, M. Mostazir
SHEET 3 OF 7	Attorney Docket No.	DIGIF.004C1

NON PATENT LITERATURE DOCUMENTS			
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	20	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01198, U.S. Patent 9,179,005; **PATENT OWNER'S OPPOSITION TO APPLE'S MOTION FOR SANCTIONS PURSUANT TO BOARD ORDER OF DECEMBER 20, 2017**; Filed: January 12, 2018; 17 pages.	
	21	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01198, U.S. Patent 9,179,005; **PATENT OWNER'S UPDATED EXHIBIT LIST**; Filed: January 12, 2018; 9 pages.	
	22	**Voip-Pal EXHIBIT 2056, IPR2016-01198;** UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01198, U.S. Patent 9,179,005; **DECLARATION IN SUPPORT OF PATENT OWNER'S OPPOSITION TO MOTION FOR SANCTIONS;** Dated: January 12, 2018; 12 pages.	
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	25	**Voip-Pal EXHIBIT 2056, IPR2016-01198;** UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01201, U.S. Patent 8,542,815; **DECLARATION IN SUPPORT OF PATENT OWNER'S OPPOSITION TO MOTION FOR SANCTIONS;** Dated: January 12, 2018; 12 pages.	
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Examiner Signature	/M Mostazir Rahman/	Date Considered	06/27/2018

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SHEET 5 OF 7	Attorney Docket No.	DIGIF.004C1

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	68	**Apple EXHIBIT 1022**, IPR2016-01198, **TELEPHONIC HEARING BEFORE THE ADMINISTRATIVE PATENT JUDGES**; JANUARY 19TH, 2018; 14 pages.	
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	71	**Case: 18-1456; Document: 1-1; Filed: 01/23/2018, 1 page:** **UNITED STATES COURT OF APPEALS FOR THE FEDERAL CIRCUIT; NOTICE OF DOCKETING; 18-1456 – Apple Inc. v. Voip-Pal.com, Inc.**; Date of Docketing: January 23, 2018, IPR2016-01198; 1 page.	
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EAST Search History

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L1	1	14/035806.app.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/07 22:12
L2	29	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$ or US-20080160953-$ or US-20100004005-$ or US-20090265552-$ or US-20080125146-$ or US-20070156909-$ or US-20080101370-$ or US-20140016635-$ or US-20090017842-$ or US-20060109960-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2018/08/07 22:33
L3	7	l2 and ((location$4 gps station$4 office$4 site$4 place places position latitude$4 coordinat$4) WITH (destination$4 deliver$4 receiver$4) WITH (ID identificat$4 key flag$4 PIN code$4 tag$4 password$4)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/07 22:37
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L5	6	l2 and ((location$4 gps station$4 office$4 site$4 place places position latitude$4 coordinat$4) WITH (destination$4 deliver$4 receiver$4) WITH (ID identificat$4 key flag$4 PIN code$4 tag$4 password$4) SAME (server$4 proxy$4 gatewary$4 computer$4 process$4 processor$4 fileserver$4 webserver$4 systerm$4 timeserver$4 cloud$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/07 22:40
L6	4	(US-20080056235-$ or US-	US-PGPUB	OR	ON	2018/08/07

		20080160953-$ or US-20090017842-$ or US-20060109960-$).did.				22:42
L7	0	l6 and ((desination$4 WITH connect$4 with channel$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/07 22:43
L8	0	l6 and ((desination$4 SAME connect$4 SAME channel$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/07 22:44
L9	0	l6 and ((desination$4 AND connect$4 SAME channel$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/07 22:44
L10	1	l6 and ((destination$4 AND connect$4 SAME channel$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/08/07 22:44
L11	23710	((location$4 gps station$4 office$4 site$4 place places position latitude$4 coordinat$4) WITH (destination$4 deliver$4 receiver$4) WITH (ID identificat$4 key flag$4 PIN code$4 tag$4 password$4) SAME (server$4 proxy$4 gatewary$4 computer$4 process$4 processor$4 fileserver$4 webserver$4 systerm$4 timeserver$4 cloud$4)) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2018/08/07 22:55
L12	33	((request$4 packet$4 frame$4 data adj3 unit demand$4 query$4 seek$4) WITH (location$4 gps station$4 office$4 site$4 place places position latitude$4 coordinat$4) WITH (destination$4 deliver$4 receiver$4) WITH (ID identificat$4 key flag$4 PIN code$4 tag$4 password$4) WITH (server$4 proxy$4 gatewary$4 computer$4 process$4 processor$4 fileserver$4 webserver$4 systerm$4 timeserver$4 cloud$4) WITH reply$4) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2018/08/07 22:57
L13	31	((request$4 packet$4 frame$4 data adj3 unit demand$4 query$4 seek$4) WITH (location$4 gps station$4 office$4 site$4 position latitude$4 coordinat$4) WITH (destination$4 deliver$4 receiver$4) WITH (ID identificat$4 key flag$4 PIN code$4 tag$4 password$4) WITH (server$4 proxy$4 gatewary$4 computer$4 process$4 processor$4 fileserver$4 webserver$4 systerm$4 timeserver$4 cloud$4) WITH reply$4) AND (@AD <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2018/08/07 23:09

S1	2	"13056277"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/02/25 16:48
S2	34	("20060093135" | "20040022237" | "7055174" | "20060153342" | "20060258328" | "6724860" | "20070112964" | "7046658" | "20030200311" | "8116307" | "6151385" | "6597686" | "6744858" | "20060072550" | "20050025043" | "6963557" | "20040240439").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/02/25 18:09
S3	2	"13056277"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/13 16:03
S4	34	("20060093135" | "20040022237" | "7055174" | "20060153342" | "20060258328" | "6724860" | "20070112964" | "7046658" | "20030200311" | "8116307" | "6151385" | "6597686" | "6744858" | "20060072550" | "20050025043" | "6963557" | "20040240439").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/13 16:03
S5	34	("20060093135" | "20040022237" | "7055174" | "20060153342" | "20060258328" | "6724860" | "20070112964" | "7046658" | "20030200311" | "8116307" | "6151385" | "6597686" | "6744858" | "20060072550" | "20050025043" | "6963557" | "20040240439").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/13 16:03
S6	4	((JOHAN) near2 (BJORSELL)).INV.	US-PGPUB; USPAT	OR	ON	2013/03/13 16:16
S7	3	((MAKSYM) near2 (SOBOLYEV)).INV.	US-PGPUB; USPAT	OR	ON	2013/03/13 16:16
S8	2	((PENTTI) near2 (HUTTUNEN)).INV.	US-PGPUB; USPAT	OR	ON	2013/03/13 16:17
S10	5	(digifonica).as.	US-PGPUB; USPAT	OR	ON	2013/03/13 16:21
S11	5	S6 or S7 or S8 or S10	US-PGPUB; USPAT	OR	ON	2013/03/13 16:21
S12	288340	(370/310-338,395.$.ccls. "379".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2013/03/13 16:29
S13	1195	((caller 'calling party')same (callee 'called party') same access same code same request same call$4)	US-PGPUB; USPAT	OR	ON	2013/03/13 16:33
S14	701	S12 and ((caller 'calling party')same (callee 'called party') same access same code same request same call$4)	US-PGPUB; USPAT	OR	ON	2013/03/13 16:33
S15	40	S12 and ((caller 'calling party')same (callee 'called party') same access same code same request same call$4 same server same rout$5)	US-PGPUB; USPAT	OR	ON	2013/03/13 16:34

S16	23	S12 and ((caller 'calling party')same (callee 'called party') same access same code same request same call$4 same server same rout$5 same (channel or (ID identifier identificat$5)))	US-PGPUB; USPAT	OR	ON	2013/03/13 16:36
S18	2	us-20070112964-$.did. us-20040022237-$.did.	US-PGPUB; USPAT	OR	ON	2013/03/13 16:49
S19	4	us-20070112964-$.did. us-20040022237-$.did.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/13 16:49
S20	245256	(370/310-338,395.$.ccls. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2013/03/13 16:52
S21	1	S20 and ((access adj code) same (channel adj (identifier ID identification) same request))	US-PGPUB; USPAT	OR	ON	2013/03/13 16:53
S22	366030	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2013/03/13 16:54
S24	354	S22 and ((access adj code) same (channel ID identification) same request)	US-PGPUB; USPAT	OR	ON	2013/03/13 16:55
S25	8	S22 and ((access adj code) same (channel with (ID identification)) same request)	US-PGPUB; USPAT	OR	ON	2013/03/13 16:56
S26	10	S22 and ((access adj2 code) same caller same callee)	US-PGPUB; USPAT	OR	ON	2013/03/13 16:59
S27	58	S22 and ((phone caller callee 'calling party') same server same router same (initiat$4 or setup or sett$4)same channel)	US-PGPUB; USPAT	OR	ON	2013/03/13 17:05
S28	10	S22 and ((phone caller callee "calling party" "called party" "called terminal" "calling party") same server same rout$5 same (call near5 (initiat$4 or setup)) same channel same request same (ID identif$7))	US-PGPUB; USPAT	OR	ON	2013/03/13 17:19
S29	257	S22 and (caller callee "calling party" "called party" "called terminal" "calling party") same (call$3 near server) same (router gateway rout$3 adj control$5)	US-PGPUB; USPAT	OR	ON	2013/03/13 17:27
S30	72	S22 and (caller callee "calling party" "called party" "called terminal" "calling party") same (call$3 near server) same (router gateway rout$3 adj control$5) same access$5	US-PGPUB; USPAT	OR	ON	2013/03/13 17:28
S31	11	(US-20070281705-$ or US-20130028251-$ or US-20090252159-$ or US-20080049732-$ or US-20070121590-$ or US-20040042607-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$).did. or (US-7068684-$ or US-6963635-$).did.	US-PGPUB; USPAT	OR	ON	2013/03/13 19:13
S32	9	S31 and ((caller callee "calling party" "called party" "called terminal" "calling	US-PGPUB; USPAT	OR	ON	2013/03/13 19:13

		party") same (call$3 near server) same (router gateway rout$3 adj control$5))				
S33	3	S31 and ((caller callee "calling party" "called party" "called terminal" "calling party") same (call$3 near server) same (router gateway rout$3 adj control$5) and processor and interface and identification)	US-PGPUB; USPAT	OR	ON	2013/03/13 19:16
S34	7	S31 and ((caller callee "calling party" "called party" "called terminal" "calling party") same (call$3 near server) same (router gateway rout$3 adj control$5) and channel and (initiat$5 setup) and (identi$7 ID))	US-PGPUB; USPAT	OR	ON	2013/03/13 19:18
S35	7	S31 and ((caller callee "calling party" "called party" "called terminal" "calling party") same (call$3 near server) same (router gateway rout$3 adj control$5) and channel and (initiat$5 setup) and (identi$7 ID) and voice and (location local$3 geograph$5 area) and number)	US-PGPUB; USPAT	OR	ON	2013/03/13 19:21
S36	2	S31 and ((caller callee "calling party" "called party" "called terminal" "calling party") same (call$3 near server) same (router gateway rout$3 adj control$5) and channel and (initiat$5 setup) and (identi$7 ID) and voice and (location local$3 geograph$5 area) and number and expir$5)	US-PGPUB; USPAT	OR	ON	2013/03/13 19:22
S37	2	S31 and ((caller callee "calling party" "called party" "called terminal" "calling party") same (call$3 near server) same (router gateway rout$3 adj control$5) and channel and (initiat$5 setup) and (identi$7 ID) and voice and (location local$3 geograph$5 area) and number and expir$5 and (access adj code))	US-PGPUB; USPAT	OR	ON	2013/03/13 19:54
S39	3	"7079526".pn. us-20030114145-$.did. "6016319".pn.	US-PGPUB; USPAT	OR	ON	2013/03/14 11:27
S40	409041	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:17
S43	21100	S40 and (initiat$4 adj3 call)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:21
S44	128	S40 and ((initiat$4 adj2 call) same (access adj2 code))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:22
S45	101	S40 and ((initiat$4 adj2 call) same (access adj2 code) and (channel ID))	US-PGPUB; USPAT; FPRS;	OR	ON	2013/03/15 11:23

			EPO; JPO; DERWENT; IBM_TDB			
S46	38	S40 and ((initiat$4 adj2 call) same (access adj2 code) and (channel ID) and ((voice data) adj2 network))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:23
S47	33	S40 and ((initiat$4 adj2 call) same (access adj2 code) and (channel ID) and ((non$voice data) adj2 network$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:25
S48	11	S40 and ((initiat$4 adj2 call) same (access adj2 code) and (channel ID) and ((non$voice data) adj2 network$5) and (indentifier ID indentification))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:26
S49	35	("2006/0189337").URPN.	USPAT	OR	ON	2013/03/15 11:34
S50	5	S46 not S47	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:46
S51	63	S45 not S46	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:47
S52	409041	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:52
S53	0	S52 and ((initiat$4 adj2 call) same (access adj2 code) same (data adj2 network$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:52
S54	213	S52 and ((initiat$4 with call) same (access adj5 code) and (data with network$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:53
S55	159	S52 and ((initiat$4 with call) same (access adj5 code) and (data with network$5) and (wirless mobile handfree))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:54
S56	22	S52 and ((initiat$4 with call) same	US-PGPUB;	OR	ON	2013/03/15

		(access adj5 code) and (data with network$5) and (wirless mobile handfree) adj5 (IP or (internet adj2 protocol)))	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB			11:54
S57	20	S52 and ((initiat$4 with call) same (access adj5 code) and (data adj5 network$5) and (wirless mobile handfree) adj5 (IP or (internet adj2 protocol)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:55
S58	17	(US-20070281705-$ or US-20130028251-$ or US-20090252159-$ or US-20080049732-$ or US-20070121590-$ or US-20040042607-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2013/03/15 12:01
S62	17	S58 and (server)	US-PGPUB; USPAT; DERWENT	OR	ON	2013/03/15 12:02
S63	11	S58 and (server and client)	US-PGPUB; USPAT; DERWENT	OR	ON	2013/03/15 12:03
S64	181	S52 and (channel same (ID indentifier indentification) same request same server same (router rout$5 gateway adj control$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:32
S65	27	S52 and (channel same (ID indentifier indentification) same request same (call$5 near5 server) same (router rout$5 gateway adj control$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:33
S67	154	S64 not S65	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:34
S68	32	S52 and (channel same (ID indentifier indentification) same request same (call$5 near5 server) same (router rout$5 gateway))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:34
S69	2	S52 and (channel same (ID indentifier indentification) same request same (call$5 near5 server) same (router rout$5 gateway) and (wireless adj2 ip adj4 network$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:35
S72	2	S52 and (channel same (ID indentifier	US-PGPUB;	OR	ON	2013/03/15

		indentification) same request same (call$5 near5 server) same (router rout$5 gateway) AND (wireless adj2 ip adj4 network$5))	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB			12:36
S73	5	S52 and (channel same (ID indentifier indentification) same request same (call$5 near5 server) same (router rout$5 gateway) AND (wireless with (ip or (internet adj2 protocol))))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:46
S74	12	S52 and (channel same (ID indentifier indentification) same request same (call$5 near5 server) same (router rout$5 gateway) AND ((wireless mobile) with (ip or (internet adj2 protocol))))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:48
S76	7	S74 not S73	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:49
S77	432569	("370".clas. "709".clas. "455".clas. "725".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 13:10
S79	2	S77 and (channel same (ID indentifier indentification) same request same (call$5 near5 server) same (router rout$5 gateway) AND (wireless adj5 IP))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 13:11
S82	0	S79 and (POOL)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:32
S83	0	S79 and (indenfi$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:33
S84	2	S79 and (identifi$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:33
S85	2	S79 and (identifi$5 and access)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:33
S86	0	S79 and (identifi$5 with access)	US-PGPUB;	OR	ON	2013/03/15

			USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB			15:33
S87	2	S79 and (identifi$5 and access and number)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:33
S88	2	S79 and (identifi$5 and access and number and associat$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:34
S89	2	S79 and (identifi$5 and access and number and associat$5 and select$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:34
S90	900	S52 and (pool database) with (access adj code phone adj number) with (associat$3 respective)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:57
S91	0	S52 and (pool database) with (access adj code) with (phone adj number) with (associat$3 respective) same (wireless IP)\	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:57
S92	0	S52 and (pool database) with (access adj code) with (phone adj number) with (associat$3 respective) and (wireless IP)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:58
S93	820	S52 and (pool database) with (access adj code phone adj number) with (associat$3 respective) and (wireless IP)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:58
S94	181	S52 and (pool database) with (access adj code phone adj number) with (associat$3 respective) same (wireless IP)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:58
S95	8	S52 and (pool database) with (access adj code phone adj number) with (associat$3 respective) same (wireless with IP)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:59
S98	20	(US-20070281705-$ or US-	US-PGPUB;	OR	ON	2013/03/15

		20130028251-$ or US-20090252159-$ or US-20080049732-$ or US-20070121590-$ or US-20040042607-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$).did. or (WO-2010012090-$).did.	USPAT; DERWENT			16:13
S99	11	S98 and (local with number)	US-PGPUB; USPAT; DERWENT	OR	ON	2013/03/15 16:17
S100	9	S98 and (local near7 number)	US-PGPUB; USPAT; DERWENT	OR	ON	2013/03/15 16:19
S101	7	S98 and (local near4 number)	US-PGPUB; USPAT; DERWENT	OR	ON	2013/03/15 16:19
S102	3	(US-20040022237-$ or US-20080056235-$).did. or (US-6674745-$).did.	US-PGPUB; USPAT	OR	ON	2013/03/15 16:49
S103	3	S102 AND (ip adj2 address)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 16:49
S104	0	S102 AND (ip adj2 address with mobile)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 16:50
S105	2	S102 AND (ip adj2 address with (receiv$5 reception))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 16:50
S106	3	S102 AND (ip adj2 address with server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 16:52
S107	0	S102 AND (ip adj2 address with server with receiv$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 16:53
S108	1	S102 AND (ip adj2 address with receiv$3 same server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 16:53

S109	0	S102 AND ((ip adj address) with caller)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 16:54
S110	2	S102 AND ((ip adj address) with call$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 16:54
S111	1	"12116756"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 14:43
S112	3	(US-20040022237-$ or US-20080056235-$).did. or (US-6674745-$).did.	US-PGPUB; USPAT	OR	ON	2013/03/16 15:36
S115	1	S112 AND (identif$5 same wireless)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 15:37
S116	3	S112 AND (identif$5 and (mobile wireless))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:09
S117	1	S112 AND (identif$5 with (mobile wireless))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:09
S118	2	S112 AND (identif$5 same (mobile wireless))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:09
S119	3	S112 AND (identi$6 and (mobile wireless) and config$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:11
S122	3	S112 AND (identi$6 and (mobile wireless) and config$5 and user)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:11
S123	3	S112 AND (identi$6 and (mobile wireless) and config$5 and user and location)	US-PGPUB; USPAT; FPRS;	OR	ON	2013/03/16 16:12

			EPO; JPO; DERWENT; IBM_TDB			
S124	2	S112 AND (identi$6 same (mobile wireless) and config$5 and user and location)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:12
S126	1	S112 AND (identi$6 same (mobile wireless) and (config$5 same location) and user)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:13
S127	1	S112 AND (identi$6 same (mobile wireless) same location and (config$5 same user))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:17
S128	2	S112 AND (location same identi$6 same user)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:50
S129	3	S112 AND (local same number)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 17:08
S130	2	S112 AND (local near5 number)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 17:12
S131	3	S112 AND (IP adj2 network same rout$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 17:19
S136	3	S112 AND (call same channel)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 17:39
S137	1	S112 AND (call same channel same establ$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 17:39
S141	1	S112 AND (establ$5 same call same channel)	US-PGPUB; USPAT; FPRS;	OR	ON	2013/03/16 17:41

			EPO; JPO; DERWENT; IBM_TDB			
S142	2	S112 AND (call$5 same identif$6 same access)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 18:31
S143	1	S112 AND (call$5 same identif$6 same access same code)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 18:31
S144	3	(US-20040022237-$ or US-20080056235-$).did. or (US-6674745-$).did.	US-PGPUB; USPAT	OR	ON	2013/03/18 19:29
S145	3	S144 and (telephone same number)	US-PGPUB; USPAT	OR	ON	2013/03/18 19:30
S146	2	S144 and ((number or code) with match$4)	US-PGPUB; USPAT	OR	ON	2013/03/18 19:31
S147	3	S144 and ((number or code or ID or identifier) with called)	US-PGPUB; USPAT	OR	ON	2013/03/18 19:37
S148	2	S144 and ((number or code or ID or identifier) with channel)	US-PGPUB; USPAT	OR	ON	2013/03/18 19:45
S149	1	S144 and ((number or code) same (ID or identifier) same channel)	US-PGPUB; USPAT	OR	ON	2013/03/18 19:46
S150	2	S144 and ((number or code or ID or identifier) same channel same (called dialed))	US-PGPUB; USPAT	OR	ON	2013/03/18 19:49
S151	2	S144 and (channel same (called dialed))	US-PGPUB; USPAT	OR	ON	2013/03/18 19:51
S152	3	S144 and (TTL expir$5 timestap)	US-PGPUB; USPAT	OR	ON	2013/03/18 19:56
S153	3	S144 and (TTL expir$5 timestamp)	US-PGPUB; USPAT	OR	ON	2013/03/18 19:56
S154	2	S144 and (data non$1voice) with (reply respon$4)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:09
S155	2	S144 and (data non$1voice) same (code numer ID identifier) same (reply respon$4)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:10
S156	3	S144 and (data non$1voice) same (code numer ID identifier)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:12
S157	3	S144 and (data non$1voice) same (code numer ID identifier) same2 (reply$3 respon$5)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:14
S158	3	S144 and (data non$1voice) same (code number ID identifier) same2 (reply$3 respon$5)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:14
S159	3	S144 and (data non$1voice) same (code number ID identifier) same (reply$3 respon$5)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:17
S160	1	S144 and code with (reply$3 respon$5)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:19
S161	3	S144 and (number ID identifier) with	US-PGPUB;	OR	ON	2013/03/18

		(reply$3 respon$5)	USPAT			20:21
S162	2	S144 and (access adj code)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:23
S163	0	S144 and (access adj code) same (reply reponse respond$3)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:23
S164	1	S144 and (access adj code) same2 (reply reponse respond$3)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:24
S165	1	S144 and code same query	US-PGPUB; USPAT	OR	ON	2013/03/18 20:26
S166	0	"L29" and (data with interface with access adj code with (reply response respond$3))	US-PGPUB; USPAT	OR	ON	2013/03/18 20:26
S167	366130	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2013/03/18 20:27
S168	6	S167 and (data with interface with access adj code with (reply response respond$3))	US-PGPUB; USPAT	OR	ON	2013/03/18 20:27
S169	1	S167 and (access adj code) with expir$5 with (establish$4 ssetup)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:41
S170	3	S167 and (access adj code) with expir$5 with (establish$4 setup)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:41
S171	8	S167 and (access adj code) with expir$5 with call$3	US-PGPUB; USPAT	OR	ON	2013/03/18 20:43
S172	5	(US-20040022237-$ or US-20080056235-$ or US-20020122391-$).did. or (US-6674745-$ or US-5454030-$).did.	US-PGPUB; USPAT	OR	ON	2013/03/22 14:46
S173	3	S172 and (dial$3 with number)	US-PGPUB; USPAT	OR	ON	2013/03/22 15:52
S174	2	S172 and (called with number with request)	US-PGPUB; USPAT	OR	ON	2013/03/22 15:58
S175	1	S172 and (calling with number with request)	US-PGPUB; USPAT	OR	ON	2013/03/22 16:00
S176	1	S172 and (calling with request)	US-PGPUB; USPAT	OR	ON	2013/03/22 16:01
S178	2	S172 and (request with access)	US-PGPUB; USPAT	OR	ON	2013/03/22 16:03
S179	4	S172 and (access near code)	US-PGPUB; USPAT	OR	ON	2013/03/22 16:04
S180	1	S172 and (access with soft)	US-PGPUB; USPAT	OR	ON	2013/03/22 16:06
S181	1	S172 and (access same soft same (caller calling))	US-PGPUB; USPAT	OR	ON	2013/03/22 16:08
S182	1	S172 and (access same request$3 same (caller calling))	US-PGPUB; USPAT	OR	ON	2013/03/22 16:09
S185	1	S172 and (reply with request$3)	US-PGPUB; USPAT	OR	ON	2013/03/22 16:15
S186	5	S172 and (reply response)	US-PGPUB; USPAT	OR	ON	2013/03/22 16:16
S187	4	S172 and ((reply response) with (code id identif$8))	US-PGPUB; USPAT	OR	ON	2013/03/22 16:19
S188	4	S172 and ((calling caller) with (code id identif$8))	US-PGPUB; USPAT	OR	ON	2013/03/22 16:21

S189	3	S172 and ((calling caller) with (reply$3 respon$5))	US-PGPUB; USPAT	OR	ON	2013/03/22 16:23
S190	1	S172 and ((calling caller) same called same (initial$5 code access))	US-PGPUB; USPAT	OR	ON	2013/03/22 16:24
S191	4	S172 and ((reply response) with (code id identif$8) with (reply$3 respon$5))	US-PGPUB; USPAT	OR	ON	2013/03/22 16:38
S193	5	(US-20040022237-$ or US-20080056235-$ or US-20020122391-$).did. or (US-6674745-$ or US-5454030-$).did.	US-PGPUB; USPAT	OR	ON	2013/03/23 12:05
S194	3	S193 and (ip adj2 address)	US-PGPUB; USPAT	OR	ON	2013/03/23 12:06
S195	0	S193 and (ip adj2 address with mobile)	US-PGPUB; USPAT	OR	ON	2013/03/23 12:07
S196	1	S193 and (ip adj2 address same mobile)	US-PGPUB; USPAT	OR	ON	2013/03/23 12:07
S197	3	S193 and (ip adj2 address)	US-PGPUB; USPAT	OR	ON	2013/03/23 12:08
S198	3	S193 and (ip adj1 address)	US-PGPUB; USPAT	OR	ON	2013/03/23 12:17
S199	1	S193 and (mobile same routed)	US-PGPUB; USPAT	OR	ON	2013/03/23 13:17
S200	2	S193 and (mobile same rout$4)	US-PGPUB; USPAT	OR	ON	2013/03/23 13:18
S201	2	US-20070112964-$.did.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/25 12:44
S202	2	"5519769".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/25 12:55
S203	5	"13056277"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/11/09 13:30
S204	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/11/09 13:30
S205	68	("20020116464" | "20040255126" | "20060072547" | "20060093135" | "20060153342" | "20080056302" | "20120099599" | "20120227101" | "5469497" | "5608786" | "5712907" | "5838682" | "5905736" | "5930343" | "5991291" | "6005926" | "20120170574" | "20040203582" | "20050287979" | "20070047548" | "20080167019" | "20080167020" |	US-PGPUB; USPAT	OR	OFF	2015/11/09 14:04

		"20080187122" | "20100177671" | "20110201321" | "6993015" | "7400881" | "7573982" | "7738384" | "8041022" | "8189568" | "8437340" | "8462915" | "8605714" | "8750290" | "7587036" | "20140349602" | "8111690" | "8713098" | "20090213839" | "20100083364" | "20100115018" | "20110208859" | "20110276903" | "20110276904" | "20110292929" | "20120089717" | "20130329722" | "20140016764" | "8078164" | "8396445" | "8634838" | "8903051" | "8909556" | "8938534" | "20050222952" | "6636833" | "7447707" | "7676431" | "7765261" | "8161078" | "8627211" | "20020122391" | "20060160565" | "20060177035" | "20060209768" | "20080037715" | "5146491").pn.				
S206	7	((Pentti) near2 (Huttunen)).INV.	US-PGPUB; USPAT	OR	OFF	2015/11/09 14:08
S208	4	((Emil) near2 (Malak)).INV.	US-PGPUB; USPAT	OR	OFF	2015/11/09 14:08
S209	19	((bjorsell) near2 (johan)).INV.	US-PGPUB; USPAT	OR	OFF	2015/11/09 14:09
S210	21	(digifonica).as.	US-PGPUB; USPAT	OR	ON	2015/11/09 14:09
S211	9	((Maksym) near2 (Sobolyev)).INV.	US-PGPUB; USPAT	OR	OFF	2015/11/09 14:10
S212	25	S206 S208 S209 S210 S211	US-PGPUB; USPAT	OR	OFF	2015/11/09 14:10
S213	267985	(370/310-338,395.$.ccls. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2015/11/09 14:12
S214	9728	S213 and ((location$4 GPS) AND (ID identificat$4)).clm.	US-PGPUB; USPAT	OR	ON	2015/11/09 14:12
S215	1	S212 and ((location$4 GPS) AND (ID identificat$4)).clm.	US-PGPUB; USPAT	OR	ON	2015/11/09 14:12
S216	3	S212 and ((location$4 GPS) AND (ID identificat$4 key flag$4 number digit)).clm.	US-PGPUB; USPAT	OR	ON	2015/11/09 14:13
S217	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/11/09 14:14
S218	22	(US-20070281705-$ or US-20130028251-$ or US-20090252159-$ or US-20080049732-$ or US-20070121590-$ or US-20040042607-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/09 15:24

		6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.				
S219	20	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/09 16:15
S220	22	(US-20070281705-$ or US-20090252159-$ or US-20130028251-$ or US-20040042607-$ or US-20080049732-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/09 16:15
S221	21	S220 and (locat$4 GPS)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:15
S222	17	S220 and (locat$4 GPS) AND (ID identificat$4 key$4 flag$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:16
S223	13	S220 and (locat$4 GPS) SAME (ID identificat$4 key$4 flag$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:16
S224	13	S220 and (locat$4 GPS) SAME (ID identificat$4 key$4 flag$4) AND (mobile wireless cellular portable)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:16
S225	10	S220 and (locat$4 GPS) SAME (ID identificat$4 key$4 flag$4) SAME (mobile wireless cellular portable)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:16

S226	10	S220 and (locat$4 GPS) SAME (ID identificat$4 key$4 flag$4) SAME (mobile wireless cellular portable) AND (server$4 router$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:17
S227	9	S220 and (locat$4 GPS) SAME (ID identificat$4 key$4 flag$4) SAME (mobile wireless cellular portable) SAME (server$4 router$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:17
S228	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:28
S230	4816	H04W8/02.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2015/11/09 16:29
S231	5819	H04W76/025.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:31
S233	5844	H04W76/021.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:32
S235	27	S230 AND (plac$3 WITH VOIP same call$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:33
S236	56	(S230 S231 S233) AND (plac$3 WITH VOIP same call$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 17:19
S237	48	(S230 S231 S233) AND (plac$3 SAME (wireless mobile cellular) WITH VOIP same call$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 17:20
S238	63	(S230 S231 S233) AND (plac$3 SAME (wireless mobile cellular) SAME (voice adj2 over adj2 internet VOIP) same call$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 17:20
S239	2	(US-20040022237-$ or US-20080056235-$).did.	US-PGPUB	OR	OFF	2015/11/09 17:34

S240	28	(S230 S231 S233) AND (plac$3 SAME (wireless mobile cellular) SAME (voice adj2 over adj2 internet VOIP) same call$3 AND (SMS short adj2 messag$4 adj2 serv$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 17:35
S241	4816	H04W8/02.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2015/11/09 19:23
S242	5819	H04W76/025.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:23
S243	5844	H04W76/021.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:23
S244	976	(S241 S242 S243) AND (SMS short adj2 messag$4 adj2 servic$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:23
S245	397	(S241 S242 S243) AND ((VoIP vo$1IP voice adj2 over adj (IP internet)) AND (SMS short adj2 messag$4 adj2 servic$3))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:24
S246	259	(S241 S242 S243) AND ((VoIP vo$1IP voice adj2 over adj (IP internet)) AND (SMS short adj2 messag$4 adj2 servic$3) AND server and controller)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:25
S247	29	(S241 S242 S243) AND ((VoIP vo$1IP voice adj2 over adj (IP internet)) AND (SMS short adj2 messag$4 adj2 servic$3) AND server and controller and (location adj2 ID location adj2 identif$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:26
S248	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:35
S249	1	S248 and (receiv$$ SAME user SAME identifier SAME destination)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:36
S250	1	S248 and (receiv$$ SAME user SAME identifier)	US-PGPUB; USPAT;	OR	OFF	2015/11/09 19:36

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S251	20	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/29 22:07
S252	252985	((H04L29/06027 OR H04L29/06 OR H04L29/1216 OR H04L61/157 OR H04L65/1069 OR H04L12/4608 OR H04L12/66 OR H04L29/12122 OR H04L61/1547 OR H04L65/1026 OR H04L65/103 OR H04L65/1036 OR H04L65/104 OR H04L67/14 OR H04L69/329 OR H04L12/1813 OR H04L12/5695 OR H04L12/6418 OR H04L2012/5626 OR H04L2012/563 OR H04L2012/5645 OR H04L2012/5667 OR H04L2012/5668 OR H04L2012/6472 OR H04L29/12094 OR H04L29/12584 OR H04L29/12896 OR H04L29/12933 OR H04L47/724 OR H04L47/803 OR H04L47/805 OR H04L61/1529 OR H04L61/2015 OR H04L61/2596 OR H04L61/605 OR H04L61/6068 OR H04L63/061 OR H04L63/0823 OR H04L63/126 OR H04L63/164 OR H04L65/1003 OR H04L65/1006 OR H04L65/1009 OR H04L65/1013 OR H04L65/1043 OR H04L65/1046 OR H04L65/1083 OR H04L65/1096 OR H04L65/4007 OR H04L65/403 OR H04L65/604 OR H04L65/605 OR H04L67/02 OR H04L67/04 OR H04L67/24 OR H04L67/34 OR H04L67/40 OR H04L69/08 OR H04M15/00 OR H04M7/006 OR H04M7/009 OR H04M11/066 OR H04M15/06 OR H04M15/08 OR H04M15/41 OR H04M15/43 OR H04M15/48 OR H04M15/56 OR H04M15/63 OR H04M15/68 OR H04M15/745 OR H04M15/8292 OR H04M1/2473 OR H04M1/2535 OR H04M2203/2022 OR H04M2203/4536 OR H04M2207/12 OR H04M2207/18 OR H04M2207/20 OR H04M2215/0108 OR H04M2215/0156 OR H04M2215/0164 OR H04M2215/0168 OR H04M2215/0196 OR H04M2215/202 OR H04M2215/62 OR H04M2215/68 OR H04M2242/14 OR H04M3/20 OR H04M3/42 OR H04M3/42008 OR H04M3/42042 OR H04M3/42068 OR	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/29 22:25

		H04M3/4228 OR H04M3/42314 OR H04M3/42348 OR H04M3/42365 OR H04M3/523 OR H04M3/53325 OR H04M3/545 OR H04M3/567 OR H04M7/00 OR H04M7/0021 OR H04M7/0057 OR H04M7/123 OR H04M7/1245 OR H04M7/125 OR H04M7/1255 OR H04M7/126 OR H04M7/128 OR H04M7/1285 OR H04Q3/0025 OR H04Q3/0045 OR H04Q11/0478 OR H04Q2213/13098 OR H04Q2213/1324 OR H04Q2213/13288 OR G06Q20/3674 OR H04H60/43 OR H04H60/51 OR H04H60/91 OR H04N21/2665 OR H04N21/4126 OR H04N21/42203 OR H04N21/6581 OR H04N21/6582 OR H04N7/17318 OR H04W28/16 OR H04W4/06 OR H04W4/10 OR H04W4/22 OR H04W60/04 OR H04W76/005 OR H04W76/007 OR H04W76/02 OR H04W76/021 OR H04W76/025 OR H04W80/00 OR H04W80/04 OR H04W84/005 OR H04W88/08 OR H04W8/02 OR H04W8/085 OR Y10S379/90).CPC.)				
S253	1	"14035806"	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/29 22:26
S254	6639	((H04W76/021 OR H04W76/025 OR H04W8/02).CPC.)	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/29 22:45
S255	268033	(370/310-338,395.$.ccls. "709".clas. "455".clas.) and (@ad < "20080728" @rlad < "20080728")	US-PGPUB; USPAT	OR	ON	2015/11/29 23:32
S256	4832	H04W8/02.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2015/11/29 23:32
S257	5881	H04W76/025.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/29 23:32
S258	5933	H04W76/021.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/29 23:32
S259	29	(S256 S257 S258) AND ((VoIP vo$1IP voice adj2 over adj (IP internet)) AND (SMS short adj2 messag$4 adj2 servic$3) AND server and controller and (location adj2 ID location adj2 identif$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/29 23:32
S260	265	(S254 S255) AND ((VoIP vo$1IP voice adj2 over adj (IP internet)) AND (SMS short adj2 messag$4 adj2 servic$3) AND server and controller and (location	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	OFF	2015/11/29 23:33

		adj2 ID location adj2 identif$5))	DERWENT; IBM_TDB			
S261	95	(S254 S255) AND ((VoIP vo$1IP voice adj2 over adj (IP internet)) SAME (SMS short adj2 messag$4 adj2 servic$3) AND server and controller and (location adj2 ID location adj2 identif$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/29 23:33
S262	25	(S254 S255) AND ((VoIP vo$1IP voice adj2 over adj (IP internet)) SAME (SMS short adj2 messag$4 adj2 servic$3) AND server SAME (location adj2 ID location adj2 identif$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/29 23:33
S263	4	(S254 S255) AND ((VoIP vo$1IP voice adj2 over adj (IP internet)) SAME (SMS short adj2 messag$4 adj2 servic$3) SAME server SAME (location adj2 ID location adj2 identif$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/29 23:34
S264	6575	(reply with mobile) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2015/11/30 00:57
S265	2208	(reply with mobile same server) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2015/11/30 00:57
S266	168	(reply with mobile same server same sms) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2015/11/30 00:57
S267	35	(reply with mobile same server same sms same gateway) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2015/11/30 00:58
S268	25	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$ or US-20080160953-$ or US-20100004005-$ or US-20090265552-$ or US-20080125146-$ or US-20070156909-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/30 02:11
S269	12	S268 and SMS	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 02:11
S270	12	S268 and (SMS same server$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 02:12

S271	1	S268 and (SMS same server$3 same locat$4 NEAR5 (ID address identificat$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 02:12
S272	25	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$ or US-20080160953-$ or US-20100004005-$ or US-20090265552-$ or US-20080125146-$ or US-20070156909-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/30 09:34
S273	12	S272 and (SMS same server$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 09:34
S274	5	S272 and (SMS same server$3 SAME (location GPS))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 09:38
S275	5	"20080101370"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 09:42
S276	26	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$ or US-20080160953-$ or US-20100004005-$ or US-20090265552-$ or US-20080125146-$ or US-20070156909-$ or US-20080101370-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/30 09:47
S277	6	S276 and (SMS SAME server SAME (location GPS))	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	OFF	2015/11/30 09:47

			DERWENT; IBM_TDB			
S278	8	S276 and (SMS SAME server SAME3 (location GPS))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 10:08
S279	17	S276 and ((ID identification key flag address) SAME (location GPS))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 11:00
S280	15	S276 and ((ID identification key flag address) SAME (location GPS) SAME server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 11:01
S281	11	S276 and ((transmit$4 send$4) SAME (ID identification key flag address) SAME (location GPS) SAME server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 11:03
S282	3	S276 and ((transmit$4 send$4) SAME (ID identification key flag address) WITH (location GPS) WITH server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 11:11
S283	2	(US-20080160953-$ or US-20080056235-$).did.	US-PGPUB	OR	OFF	2015/11/30 12:07
S284	2	S283 and (SMS SAME server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 12:07
S285	2	S283 and (location SAME channel)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 12:25
S286	1	"14035806"	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/30 12:59
S287	0	S283 and (poll)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 14:04
S288	1	S283 and (poll multiple)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT;	OR	OFF	2015/11/30 14:05

			IBM_TDB			
S289	2	S283 and (local and call)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 14:07
S290	2	S283 and (local SAME call)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 14:07
S291	2	S283 and (IP SAME address)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 14:09
S292	0	S283 and (time with out)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 14:20
S293	0	S283 and (expired)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 14:21
S294	1	S283 and (expired out)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 14:21
S295	26	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$ or US-20080160953-$ or US-20100004005-$ or US-20090265552-$ or US-20080125146-$ or US-20070156909-$ or US-20080101370-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2016/01/02 22:35
S296	2	(US-20080056235-$ or US-20080160953-$).did.	US-PGPUB	OR	OFF	2016/01/02 22:36
S297	0	S296 and (destinat$$ adj2 (ID key flag identificat$4) and (location adj2 ID) and channel$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT;	OR	OFF	2016/01/02 22:37

			IBM_TDB			
S298	0	S296 and (destinat$$ SAME (ID key flag identificat$4) SAME (location adj2 ID) and channel$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/02 22:37
S299	1	S296 and (destinat$$ SAME (ID key flag identificat$4) SAME channel$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/02 22:38
S300	2	(US-20080056235-$ or US-20080160953-$).did.	US-PGPUB	OR	OFF	2016/01/03 18:45
S301	1	S300 and (destinat$$ SAME (ID key flag identificat$4) SAME channel$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/03 18:45
S302	26	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$ or US-20080160953-$ or US-20100004005-$ or US-20090265552-$ or US-20080125146-$ or US-20070156909-$ or US-20080101370-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2016/01/06 12:00
S303	2	"13710282"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/06 17:24
S304	1	S303 and (similar SAME power$4 same sav$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/06 17:25
S305	1	S303 and (similar NEAR10 power$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/06 18:18
S306	2	(US-20080056235-$ or US-20080160953-$).did.	US-PGPUB	OR	OFF	2016/01/06 21:55
S307	26	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$	US-PGPUB; USPAT;	OR	OFF	2016/01/07 14:24

		or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$ or US-20080160953-$ or US-20100004005-$ or US-20090265552-$ or US-20080125146-$ or US-20070156909-$ or US-20080101370-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	DERWENT			
S308	2	(US-20080056235-$ or US-20080160953-$).did.	US-PGPUB	OR	OFF	2016/01/07 14:24
S309	1	"14035806"	US-PGPUB; USPAT	OR	OFF	2016/01/07 15:02
S310	2	(US-20080056235-$ or US-20080160953-$).did.	US-PGPUB	OR	OFF	2016/01/07 15:03
S311	26	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$ or US-20080160953-$ or US-20100004005-$ or US-20090265552-$ or US-20080125146-$ or US-20070156909-$ or US-20080101370-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2016/01/07 15:03
S312	1	S310 and ((channel$4 tunnel$4 frequenc$4) WITH (ID identificat$4 key flag))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/07 15:04
S313	2	S310 and ((channel$4 tunnel$4 frequenc$4) SAME (ID identificat$4 key flag))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/07 15:04
S314	1	S310 and ((channel$4 tunnel$4 frequenc$4) NEAR10 (ID identificat$4 key flag))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/07 15:35
S315	2	(US-20080056235-$ or US-20080160953-$).did.	US-PGPUB	OR	OFF	2016/01/07 15:35
S316	1	S315 and (destinat$$ SAME (ID key flag identificat$4) SAME channel$4)	US-PGPUB; USPAT; FPRS;	OR	OFF	2016/01/07 15:35

			EPO; JPO; DERWENT; IBM_TDB			
S317	2	S315 and (channel)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/07 16:18
S319	2	S315 and (channel and location)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/07 18:15
S320	5569	H04W8/02.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2016/10/17 13:25
S321	8486	H04W76/025.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/10/17 13:25
S322	8300	H04W76/021.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/10/17 13:25
S323	46	(S320 S321 S322) AND ((VoIP vo$1IP voice adj2 over adj (IP internet)) AND (SMS short adj2 messag$4 adj2 servic$3) AND server and controller and (location adj2 ID location adj2 identif$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/10/17 13:25
S324	8	((Pentti) near2 (Huttunen)).INV.	US-PGPUB; USPAT	OR	OFF	2016/10/17 13:25
S325	4	((Emil) near2 (Malak)).INV.	US-PGPUB; USPAT	OR	OFF	2016/10/17 13:25
S326	22	((bjorsell) near2 (johan)).INV.	US-PGPUB; USPAT	OR	OFF	2016/10/17 13:25
S327	21	(digifonica).as.	US-PGPUB; USPAT	OR	ON	2016/10/17 13:25
S328	10	((Maksym) near2 (Sobolyev)).INV.	US-PGPUB; USPAT	OR	OFF	2016/10/17 13:25
S329	29	S324 S325 S326 S327 S328	US-PGPUB; USPAT	OR	OFF	2016/10/17 13:25
S330	1	S329 and ((location$4 GPS) AND (ID identificat$4)).clm.	US-PGPUB; USPAT	OR	ON	2016/10/17 13:25
S331	313876	(370/310-338,395.$.ccls. "379".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2016/10/17 13:26
S332	28	S331 and ((caller 'calling party')same (callee 'called party') same access same code same request same call$4 same server same rout$5 same (channel or	US-PGPUB; USPAT	OR	ON	2016/10/17 13:26

		(ID identifier identificat$5)))				
S333	268664	(370/310-338,395.$.ccls. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2016/10/17 13:26
S334	1	S333 and ((access adj code) same (channel adj (identifier ID identification) same request))	US-PGPUB; USPAT	OR	ON	2016/10/17 13:26
S335	506306	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/10/17 13:26
S336	12	S335 and ((initiat$4 adj2 call) same (access adj2 code) and (channel ID) and ((non$voice data) adj2 network$5) and (indentifier ID indentification))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/10/17 13:26
S337	2	(US-20080056235-$ or US-20080160953-$).did.	US-PGPUB	OR	ON	2016/10/17 13:55
S338	2	S337 and (database list table log) WITH (locat$4 GPS)	US-PGPUB	OR	ON	2016/10/17 14:12
S339	2	S337 and (database list table log) WITH (locat$4 GPS) AND (IP internet adj2 protocol)	US-PGPUB	OR	ON	2016/10/17 14:19
S340	0	S337 and (database list table log) WITH (locat$4 GPS) WITH (IP internet adj2 protocol)	US-PGPUB	OR	ON	2016/10/17 14:19
S341	2	S337 and (database list table log) WITH (locat$4 GPS) SAME (IP internet adj2 protocol)	US-PGPUB	OR	ON	2016/10/17 14:19
S342	2	S337 and (database list table log) WITH (locat$4 GPS) SAME (IP internet adj2 protocol) and location	US-PGPUB	OR	ON	2016/10/17 14:45
S343	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2016/11/15 14:32
S344	26	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$ or US-20080160953-$ or US-20100004005-$ or US-20090265552-$ or US-20080125146-$ or US-20070156909-$ or US-20080101370-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2016/11/15 15:00
S345	6	cn adj2 "102307082"	US-PGPUB; USPAT; FPRS;	OR	ON	2016/11/15 15:52

			EPO; JPO			
S346	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2016/11/15 16:54
S347	1	(US-20080056235-$).did.	US-PGPUB	OR	ON	2016/11/15 19:52
S348	2	(US-20080056235-$ or US-20080160953-$).did.	US-PGPUB	OR	ON	2016/11/15 19:53
S349	2	S348 AND (locat$5 GPS) WITH (ID key identification flag$4)	US-PGPUB	OR	ON	2016/11/15 19:54
S350	2	S348 AND (locat$5 GPS) WITH (ID key identification flag$4) AND (ID key identification flag$4)	US-PGPUB	OR	ON	2016/11/15 19:55
S351	2	(US-20080056235-$ or US-20080160953-$).did.	US-PGPUB	OR	ON	2016/11/15 20:58
S352	2	S351 AND (locat$5 GPS) WITH (ID key identification flag$4) AND (ID key identification flag$4)	US-PGPUB	OR	ON	2016/11/15 20:58
S353	432	((Access NEAR5 server) AND (location$4 GPS) SAME (destinat$4 NEAR5 ID)) AND (@AD <"201080728")	US-PGPUB	OR	ON	2016/11/15 21:57
S354	752	((Access NEAR5 server) AND (location$4 GPS) SAME (destinat$4 NEAR5 ID)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2016/11/15 21:58
S355	402	((Access NEAR5 server) AND (location$4 GPS) WITH (destinat$4 NEAR5 ID)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2016/11/15 21:58
S356	11	((Access NEAR5 server) SAME (location$4 GPS) WITH (destinat$4 NEAR5 ID)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2016/11/15 21:58
S357	97	((request$4 NEAR5 (messag$4 packet frame PDU data adj2 unit)) SAME (location$4 GPS) WITH (destinat$4 NEAR5 ID)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2016/11/15 22:00
S358	19	((request$4 NEAR5 (messag$4 packet frame PDU data adj2 unit)) SAME (location$4 GPS) WITH (destinat$4 NEAR5 ID) SAME (server)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2016/11/15 22:01
S359	43	((request$4 SAME (messag$4 packet frame PDU data adj2 unit)) SAME (location$4 GPS) SAME (destinat$4 NEAR5 ID) SAME (server) SAME (channel$4 path$4 rout$4)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2016/11/15 22:42
S360	29	((JOHAN) near2 (BJORSELL)).INV.	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S361	14	((MAKSYM) near2 (SOBOLYEV)).INV.	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58

S362	8	((PENTTI) near2 (HUTTUNEN)).INV.	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S363	21	(digifonica).as.	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S364	34	S360 or S361 or S362 or S363	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S365	313893	(370/310-338,395.$.ccls. "379".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S366	27	S365 and ((caller 'calling party')same (callee 'called party') same access same code same request same call$4 same server same rout$5 same (channel or (ID identifier identificat$5)))	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S367	268678	(370/310-338,395.$.ccls. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S368	1	S367 and ((access adj code) same (channel adj (identifier ID identification) same request))	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S369	45	((request$4 SAME (messag$4 packet frame PDU data adj2 unit)) SAME (location$4 GPS) SAME (destinat$4 NEAR5 ID) SAME (server) SAME (channel$4 path$4 rout$4)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2017/08/21 11:59
S370	400075	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2017/08/21 11:59
S371	8	S370 and ((access adj code) same (channel with (ID identification)) same request)	US-PGPUB; USPAT	OR	ON	2017/08/21 11:59
S372	8	((Pentti) near2 (Huttunen)).INV.	US-PGPUB; USPAT	OR	OFF	2017/08/21 11:59
S373	4	((Emil) near2 (Malak)).INV.	US-PGPUB; USPAT	OR	OFF	2017/08/21 11:59
S374	29	((bjorsell) near2 (johan)).INV.	US-PGPUB; USPAT	OR	OFF	2017/08/21 11:59
S375	21	(digifonica).as.	US-PGPUB; USPAT	OR	ON	2017/08/21 11:59
S376	14	((Maksym) near2 (Sobolyev)).INV.	US-PGPUB; USPAT	OR	OFF	2017/08/21 11:59
S377	36	S372 S373 S374 S375 S376	US-PGPUB; USPAT	OR	OFF	2017/08/21 11:59
S378	1	S377 and ((location$4 GPS) AND (ID identificat$4)).clm.	US-PGPUB; USPAT	OR	ON	2017/08/21 11:59
S379	528836	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/08/21 12:00
S380	12	S379 and ((initiat$4 adj2 call) same (access adj2 code) and (channel ID) and ((non$voice data) adj2 network$5) and (indentifier ID indentification))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT;	OR	ON	2017/08/21 12:00

			IBM_TDB			
S381	11	((Access NEAR5 server) SAME (location$4 GPS) WITH (destinat$4 NEAR5 ID)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2017/08/21 12:00
S382	13	("20020150080" | "20060195584" | "20070121590" | "20070121602" | "20170104868" | "20170111265" | "20170126752" | "20170142256" | "576852106" | "6947531" | "7477843" | "9537762" | "9549071" | "9565307").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:07
S383	4	("20030043974" | "20050069097" | "6434143" | "7774711").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:07
S384	1	("7174156").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:07
S385	24	("20020057764" | "20050007999" | "20060109960" | "20060233317" | "20070036139" | "20070064919" | "20090238168" | "20100002701" | "20150327320" | "20150358470" | "20160006882" | "20160028619" | "4747124" | "5742596" | "5991378" | "6603977" | "6961334" | "7042985" | "7218722" | "7366157" | "7486684" | "8036366" | "8594298" | "9179005").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:07
S386	24	("20020057764" | "20050007999" | "20060109960" | "20060233317" | "20070036139" | "20070064919" | "20090238168" | "20100002701" | "20150327320" | "20150358470" | "20160006882" | "20160028619" | "4747124" | "5742596" | "5991378" | "6603977" | "6961334" | "7042985" | "7218722" | "7366157" | "7486684" | "8036366" | "8594298" | "9179005").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:08
S387	43	("20050131813" | "20050171898" | "20050192897" | "20050192901" | "20050222952" | "20050267842" | "20060006224" | "20060036522" | "20060095320" | "20060116892" | "20060195398" | "20070016524" | "20140141884" | "5677955" | "5883810" | "6173272" | "6243689" | "6636833" | "6772188" | "6892184" | "7051072" | "7330835" | "7426492" | "7437665" | "7447707" | "7580886" | "7593884" | "7599944" | "7644037" | "7647500" | "7676431" | "7680737" | "7734544" | "7765261" | "7765266" | "7882011" | "7899742" | "8060887" | "8161078" | "8200575" | "8543477" | "8627211" | "8702505").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:08
S388	71	("20070053382" | "20090213839" | "20100083364" | "20100114896" | "20100115018" | "20100142382" | "20100220852" | "20100233991" | "20100278534" | "20100316195" |	US-PGPUB; USPAT	OR	ON	2017/08/21 13:09

		"20110072095" | "20110167164" | "20110208859" | "20110235543" | "20110273526" | "20110276903" | "20110276904" | "20110292929" | "20120089717" | "20120096145" | "20120155333" | "20120195236" | "20120259975" | "20120270554" | "20130039226" | "20130097308" | "20130128879" | "20130148549" | "20130173534" | "20130229950" | "20130287006" | "20130310002" | "20130318166" | "20130329722" | "20130329864" | "20140010119" | "20140016764" | "20140153477" | "20140215642" | "20140307858" | "20140321333" | "6327351" | "7203478" | "7958233" | "8078164" | "8127005" | "8166547" | "8190739" | "8223927" | "8300632" | "8315521" | "8396445" | "8526306" | "8599747" | "8599837" | "8634838" | "8774378" | "8819566" | "8848887" | "8862701" | "8885609" | "8903051" | "8903360" | "8909556" | "8938209" | "8938534" | "8948061" | "8972612" | "8982719" | "8995428" | "9003306").PN.				
S389	6	("20070217354" | "5917899" | "6005870" | "6597783" | "6873599" | "7010727").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:09
S390	54	("0000029" | "0000030" | "0000031" | "0000032" | "0000033" | "0000034" | "0000035" | "0000036" | "0000037" | "0000038" | "0000039" | "0000040" | "0000041" | "20010027478" | "20110255553" | "20110261717" | "20130223276" | "20130237198" | "20130254301" | "20130272297" | "20130281147" | "20140220944" | "20140227962" | "20140244393" | "20140247730" | "20140269624" | "20140324969" | "20140337961" | "20140349602" | "6937713" | "8111690" | "8219115" | "8228837" | "8243730" | "8275404" | "8364172" | "8410907" | "8417791" | "8423791" | "8468196" | "8493931" | "8532075" | "8682919" | "8713098" | "8749610" | "8767717" | "8774721" | "8780703" | "8792374" | "8792905" | "8805345" | "8810392" | "8837360" | "8838539").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:09
S391	7	("6445694" | "6574328" | "6785266" | "7486664" | "7512117" | "7587036" | "7764777").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:09
S392	141	("20010052081" | "20020002041" | "20020018445" | "20020141352" | "20030012196" | "20030095539" | "20030179747" | "20030219103" | "20040034793" | "20040203565" | "20040203582" | "20050063519" | "20050188081" | "20050190892" | "20050202799" | "20050287979" | "20060007940" | "20060013266" |	US-PGPUB; USPAT	OR	ON	2017/08/21 13:10

		"20060030290" | "20060078094" | "20060142011" | "20060146797" | "20060189303" | "20060205383" | "20060248186" | "20060251056" | "20060268921" | "20060281437" | "20070047548" | "20070092070" | "20070115935" | "20070121593" | "20070174469" | "20070220038" | "20070253429" | "20070263609" | "20070297376" | "20080013523" | "20080056243" | "20080166999" | "20080167019" | "20080167020" | "20080167039" | "20080187122" | "20080188198" | "20080188227" | "20080205378" | "20080310599" | "20090003535" | "20090129566" | "20090135724" | "20090214000" | "20090268615" | "20090296900" | "20100008345" | "20100039946" | "20100105379" | "20100177671" | "20100246589" | "20100272242" | "20110013541" | "20110153809" | "20110176541" | "20110201321" | "20110267986" | "20120014383" | "20120113981" | "20120195415" | "20120250624" | "20120282881" | "20120314699" | "20130272297" | "20140101749" | "20140211789" | "5325421" | "6553025" | "6560224" | "6650641" | "6775534" | "6934279" | "6963739" | "6985440" | "6993015" | "7006508" | "7027564" | "7068668" | "7151772" | "7177399" | "7277528" | "7400881" | "7436835" | "7440442" | "7486667" | "7567131" | "7573982" | "7593390" | "7639792" | "7657011" | "7664495" | "7676215" | "7680114" | "7702308" | "7715821" | "7738384" | "7764944" | "7797459" | "7894441" | "7907551" | "7929955" | "7944909" | "7965645" | "7979529" | "7995589" | "8024785" | "8027333" | "8041022" | "8050273" | "8125982" | "8145182" | "8166533" | "8189568" | "8204044" | "8228897" | "8244204" | "8306063" | "8363647" | "8427981" | "8437340" | "8462915" | "8509225" | "8605714" | "8605869" | "8607323" | "8611354" | "8625578" | "8724643" | "8750290" | "8763081" | "8768951" | "8774171" | "8804705").PN.				
S393	14	("20050198499" | "20100150138" | "20100150328" | "20100172345" | "20110122827" | "20120170574" | "5719926" | "5722067" | "5915093" | "6029062" | "6249573" | "7454200" | "8630234" | "8675566").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:10
S394	137	("20020051518" | "20020116464" | "20020122391" | "20030200311" | "20030219103" | "20040022237" | "20040157629" | "20040165709" | "20040181599" | "20040202295" | "20040240439" | "20040255126" | "20050025043" | "20050083911" |	US-PGPUB; USPAT	OR	ON	2017/08/21 13:11

		"20050094651" | "20050169248" | "20050174937" | "20050177843" | "20060072547" | "20060072550" | "20060093135" | "20060111116" | "20060153342" | "20060160565" | "20060177035" | "20060209768" | "20060258328" | "20060264200" | "20070036143" | "20070112964" | "20070127676" | "20070253418" | "20080037715" | "20080056235" | "20080056302" | "20080063153" | "20090028146" | "20090135735" | "20090141883" | "20090292539" | "20090325558" | "20100086119" | "20100128729" | "20120099599" | "20120227101" | "20130114589" | "4916491" | "4992971" | "5146491" | "5247571" | "5303297" | "5359642" | "5425085" | "5440621" | "5454030" | "5469497" | "5506893" | "5519769" | "5559871" | "5590133" | "5608786" | "5621787" | "5633913" | "5661790" | "5712907" | "5724355" | "5726984" | "5737414" | "5751961" | "5793762" | "5799072" | "5802502" | "5825863" | "5828740" | "5838682" | "5845267" | "5850433" | "5864610" | "5867495" | "5883891" | "5889774" | "5905736" | "5907547" | "5910946" | "5915005" | "5923659" | "5930343" | "5937045" | "5940598" | "5953504" | "5956391" | "5970477" | "5974043" | "5991291" | "6005926" | "6014379" | "6021126" | "6052445" | "6058300" | "6069890" | "6073013" | "6078647" | "6104704" | "6104711" | "6115737" | "6128304" | "6137869" | "6141404" | "6151385" | "6188752" | "6282574" | "6298062" | "6351464" | "6359880" | "6430275" | "6507644" | "6597686" | "6674745" | "6724860" | "6744858" | "6766159" | "6798767" | "6819929" | "6954453" | "6963557" | "7046658" | "7055174" | "7068772" | "7079526" | "7120682" | "7212522" | "7454510" | "7950046" | "8116307" | "8422507" | "8537805" | "8542815").PN.				
S395	513	S382 S383 S384 S385 S386 S387 S388 S389 S390 S391 S392 S393 S394	US-PGPUB; USPAT	OR	ON	2017/08/21 13:11
S396	21	S395 AND ((receiv$3 or accept$3 or obtain$3 or recover$3 or retriev$3 or acquir$3 or acquisition) SAME (respons$3 or respond$3 or react$3 or feed$3back$3 or (feed$3 adj3 back) or behaviour or behavior reply$3 return$3 acknowledgment$1 answer$1) SAME (server$4 webserver$4 gate$1way system$4 proxy$4 computer) SAME (location$4 GPS position$4 origin$4 region$4 site coordinat$4) NEAR5 (ID identification key flag$4 tagg$4 badge$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2017/08/21 13:45
S397	12	S395 AND ((receiv$3 or accept$3 or	US-PGPUB;	OR	ON	2017/08/21

		obtain$3 or recover$3 or retriev$3 or acquir$3 or acquisition) SAME (respons$3 or respond$3 or react$3 or feed$3back$3 or (feed$3 adj3 back) or behaviour or behavior reply$3 return$3 acknowledgment$1 answer$1) SAME (server$4 webserver$4 gate$1way system$4 proxy$4 computer) SAME (location$4 GPS position$4 origin$4 region$4 site coordinat$4) NEAR5 (ID identification key flag$4 tagg$4 badge$4)) AND (@AD < "20080728")	USPAT; FPRS; EPO; JPO; IBM_TDB			13:45
S398	2	(US-20090017842-$ or US-20060109960-$).did.	US-PGPUB	OR	ON	2017/08/21 14:47
S399	2	S398 and (wifi wi$1fi wireless cellular)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/08/21 14:47
S401	11	"9179005"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/29 23:45
S402	2	(US-20090017842-$ or US-20060109960-$).did.	US-PGPUB	OR	ON	2017/11/30 01:18
S403	3	(US-20080056235-$ or US-20090017842-$ or US-20060109960-$).did.	US-PGPUB	OR	ON	2017/11/30 01:19
S404	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/30 01:40
S405	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/30 13:29
S406	3	(US-20080056235-$ or US-20090017842-$ or US-20060109960-$).did.	US-PGPUB	OR	ON	2017/11/30 14:49
S407	1	S406 and (connect$4 join$4 link$4 fasten$4 connector$4 hitch$4) AND (IP internet$4 adj2 protocol$4) NEAR5 address$4	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2017/11/30 14:58
S408	1	S406 and (connect$4 join$4 link$4 fasten$4 connector$4 hitch$4) AND (IP internet$4 adj2 protocol$4) WITH address$4	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2017/11/30 14:59
S409	3	(US-20080056235-$ or US-20090017842-$ or US-20060109960-$).did.	US-PGPUB	OR	ON	2017/11/30 16:04
S410	3	S409 and (connect$4 join$4 link$4	US-PGPUB;	OR	ON	2017/11/30

		fasten$4 connector$4 hitch$4) WITH (mobile user adj2 equipment UE mobile adj2 device)	USPAT; FPRS; EPO; JPO; IBM_TDB			16:04
S411	1	(US-20080056235-$).did.	US-PGPUB	OR	ON	2018/01/16 14:53
S412	29	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$ or US-20080160953-$ or US-20100004005-$ or US-20090265552-$ or US-20080125146-$ or US-20070156909-$ or US-20080101370-$ or US-20140016635-$ or US-20090017842-$ or US-20060109960-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2018/01/16 14:53
S413	0	S411 and (reply echo packet$4 frame$4 (data adj2 unit) ack acknowlegment$4 feeback$4 feed$1back$4 feed adj2 back$4) WITH (IP NEAR10 address$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 14:54
S414	0	S411 and (reply echo packet$4 frame$4 (data adj2 unit) ack acknowlegment$4 feeback$4 feed$1back$4 feed adj2 back$4 return$4 answer$4) WITH ((internet IP) NEAR10 address$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 14:56
S415	1	S411 and (reply echo packet$4 frame$4 (data adj2 unit) ack acknowlegment$4 feeback$4 feed$1back$4 feed adj2 back$4 return$4 answer$4) SAME ((internet IP) NEAR10 address$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 14:56
S416	11	S412 and (reply echo packet$4 frame$4 (data adj2 unit) ack acknowlegment$4 feeback$4 feed$1back$4 feed adj2 back$4 return$4 answer$4) SAME ((internet IP) NEAR10 address$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 15:33
S417	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 15:40
S418	29261	((H04W76/021 OR H04W76/025 OR H04W8/02).CPC.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 15:52

S419	56	S418 AND (IP NEAR5 address) WITH (location$4 gps$4 geographical$4) NEAR5 (ID identification$4 key$4 flag$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 15:55
S420	9	S418 AND (IP NEAR5 address) WITH (location$4 gps$4 geographical$4) NEAR5 (ID identification$4 key$4 flag$4) AND (@AD <"20090728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 15:56
S421	15	S418 AND (IP NEAR5 address) WITH (location$4 gps$4 geographical$4) NEAR5 (ID identification$4 key$4 flag$4) AND ((@ad OR @pd OR @rlad OR @ prad OR @ptad)<"20090728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 15:56
S422	29	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$ or US-20080160953-$ or US-20100004005-$ or US-20090265552-$ or US-20080125146-$ or US-20070156909-$ or US-20080101370-$ or US-20140016635-$ or US-20090017842-$ or US-20060109960-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2018/01/24 19:29
S423	0	S422 and (replay$4 echo adj2 back$4) WITH(ip near5 address$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/24 19:30
S424	0	S422 and (replay$4 echo adj2 back$4) WITH (ip near5 address$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/24 19:30
S425	14	S422 and (ip near5 address$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/24 19:30
S426	5	S422 and (ip near5 address$4) and (SMS)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/24 19:39

S427	5	"13056277"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/25 13:28
S428	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:33
S429	268665	(370/310-338,395.$.ccls. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2018/06/27 22:34
S430	1	S429 and ((access adj code) same (channel adj (identifier ID identification) same request))	US-PGPUB; USPAT	OR	ON	2018/06/27 22:34
S431	28075	((H04W76/11 OR H04W76/15 OR H04W8/02).CPC.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:34
S432	541465	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:34
S433	12	S432 and ((initiat$4 adj2 call) same (access adj2 code) and (channel ID) and ((non$voice data) adj2 network$5) and (indentifier ID indentification))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:34
S434	400071	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2018/06/27 22:34
S435	8	S434 and ((access adj code) same (channel with (ID identification)) same request)	US-PGPUB; USPAT	OR	ON	2018/06/27 22:34
S436	16903	((H04W76/021 OR H04W76/025 OR H04W8/02).CPC.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:35
S437	13	S436 AND (IP NEAR5 address) WITH (location$4 gps$4 geographical$4) NEAR5 (ID identification$4 key$4 flag$4) AND ((@ad OR @pd OR @rlad OR @prad OR @ptad)<"20090728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:35
S438	7	S436 AND (IP NEAR5 address) WITH (location$4 gps$4 geographical$4) NEAR5 (ID identification$4 key$4 flag$4) AND (@AD <"20090728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:35

S439	13	S436 AND (IP NEAR5 address) WITH (location$4 gps$4 geographical$4) NEAR5 (ID identification$4 key$4 flag$4) AND ((@ad OR @pd OR @rlad OR @prad OR @ptad)<"20090728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:35
S440	6917	H04W8/02.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2018/06/27 22:36
S441	4410	H04W76/025.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 22:36
S442	4889	H04W76/021.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 22:36
S443	44	(S440 S441 S442) AND (plac$3 SAME (wireless mobile cellular) SAME (voice adj2 over adj2 internet VOIP) same call$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 22:36
S444	0	((("BjÃ¶rsell") near3 ("Johan") near3 ("Emil") near3 ("Viktor"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/06/27 22:36
S445	15	((("Sobolyev") near3 ("Maksym"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/06/27 22:37
S446	8	((("Huttunen") near3 ("Pentti") near3 ("Kalevi"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/06/27 22:37
S447	4	((("Malak") near3 ("Emil"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/06/27 22:37
S448	8	((("VOIP-PAL.COM") near3 ("INC"))).AS,AANM.	USPAT	OR	OFF	2018/06/27 22:37
S449	14	(("VOIP-PAL.COM")).AS,AANM.	US-PGPUB; USPAT	OR	OFF	2018/06/27 22:38
S450	21	(digifonica).as.	US-PGPUB; USPAT	OR	ON	2018/06/27 22:38
S451	0	(S444 S445 S446 S447 S448 S449 S450) AND (IP NEAR2 addess$4 AND access ADJ2 code$3 AND (ID identification key location geographical) AND gateway).clm.	US-PGPUB; USPAT	OR	ON	2018/06/27 22:41
S452	29	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$	US-PGPUB; USPAT; DERWENT	OR	OFF	2018/06/27 23:10

		or US-20020122391-$ or US-20080160953-$ or US-20100004005-$ or US-20090265552-$ or US-20080125146-$ or US-20070156909-$ or US-20080101370-$ or US-20140016635-$ or US-20090017842-$ or US-20060109960-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.				
S453	13	S452 and (location$4 geographical$4) WITH (ID key$4 identificat$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 23:11
S454	6	S452 and (location$4 geographical$4) WITH (ID key$4 identificat$4) AND (access$4 NEAR5 code$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 23:11
S455	2	S452 and (location$4 geographical$4) WITH (ID key$4 identificat$4) AND (access$4 NEAR5 code$4) AND (IP near5 address$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 23:12

8/7/2018 11:55:16 PM
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PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	14/035,806
	Filing Date	September 24, 2013
	First Named Inventor	Björsell, Johan Emil Viktor
	Art Unit	2411
(Multiple sheets used when necessary)	Examiner	Rahman, M. Mostazir
SHEET 1 OF 2	Attorney Docket No.	DIGIF.004C1

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number *Number - Kind Code (if known)* Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	5,602,907 A	02-11-1997	Hata et al.	
	2	6,310,859 B1	10-30-2001	Morita et al.	
	3	7,440,441 B2	10-21-2008	Lakhani et al.	
	4	7,457,865 B2	11-25-2008	Ramakrishnan et al.	
	5	7,545,761 B1	06-09-2009	Kalbag, Rohit S.	
	6	9,432,830 B2	08-30-2016	Lahtiranta et al.	
	7	9,813,330 B2	11-07-2017	Perreault et al.	
	8	9,826,002 B2	11-21-2017	Perreault et al.	
	9	2003/0211840 A1	11-13-2003	Castrogiovanni et al.	
	10	2005/0021939 A1	01-27-2005	Le et al.	
	11	2009/0012851 A1	01-08-2009	Marc, Miroslav	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document *Country Code-Number-Kind Code* Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T[1]
	12	IN 287412	09-15-2017	Digifonica (International) Limited		

NON PATENT LITERATURE DOCUMENTS

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, page(s), volume-issue number(s), publisher, city and/or country where published.	T[1]
	13	Canadian Office Action dated September 18, 2014 for Canadian Patent Application No. CA 2,670,510.	
	14	Canadian Office Action dated August 18, 2015 for Canadian Patent Application No. CA 2,732,148.	
	15	Canadian Office Action dated August 2, 2017 for Canadian Patent Application No. CA 2,681,984.	
	16	Indian Office Action dated June 21, 2017 for Indian Patent Application No. IN 1227/MUMNP/2009.	
	17	Intimation of the grant and recordal of India Patent No. 287412 entitled "PRODUCING ROUTING MESSAGES FOR VOICE OVER IP COMMUNICATIONS", dated September 15, 2017, for India Patent Application No. IN 1047/MUMNP/2009 filed November 1, 2007.	

Examiner Signature	/M Mostazir Rahman/	Date Considered	06/27/2018

***Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T[1] - Place a check mark in this area when an English language Translation is attached.

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

PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	14/035,806
	Filing Date	September 24, 2013
	First Named Inventor	Björsell, Johan Emil Viktor
	Art Unit	2411
(Multiple sheets used when necessary)	Examiner	Rahman, M. Mostazir
SHEET 2 OF 2	Attorney Docket No.	DIGIF.004C1

NON PATENT LITERATURE DOCUMENTS			
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, page(s), volume-issue number(s), publisher, city and/or country where published.	T[1]
	18	**PATENT OWNER'S PRELIMINARY RESPONSE TO PETITION FOR *INTER PARTES* REVIEW**, UNITED STATES PATENT AND TRADEMARK OFFICE, BEFORE THE PATENT TRIAL AND APPEAL BOARD, **AT&T SERVICES, INC.**, Petitioner, v. **VoIP-PAL.COM, INC.**, Patent Owner, Case No. IPR2017-01382, U.S. Patent 8,542,815, dated August 24, 2017, 71 pages.	
	19	**PATENT OWNER'S PRELIMINARY RESPONSE TO PETITION FOR *INTER PARTES* REVIEW**, UNITED STATES PATENT AND TRADEMARK OFFICE, BEFORE THE PATENT TRIAL AND APPEAL BOARD, **AT&T SERVICES, INC.**, Petitioner, v. **VoIP-PAL.COM, INC.**, Patent Owner, Case No. IPR2017-01383, U.S. Patent 9,179,005, dated August 24, 2017, 74 pages.	
	20	**PATENT OWNER'S PRELIMINARY RESPONSE TO PETITION FOR *INTER PARTES* REVIEW**, UNITED STATES PATENT AND TRADEMARK OFFICE, BEFORE THE PATENT TRIAL AND APPEAL BOARD, **AT&T SERVICES, INC.**, Petitioner, v. **VoIP-PAL.COM, INC.**, Patent Owner, Case No. IPR2017-01384, U.S. Patent 9,179,005, dated August 24, 2017, 61 pages.	
	21	**PATENT OWNER'S PRELIMINARY RESPONSE TO PETITION FOR *INTER PARTES* REVIEW**, UNITED STATES PATENT AND TRADEMARK OFFICE, BEFORE THE PATENT TRIAL AND APPEAL BOARD, **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner, Case No. IPR2017-01398, U.S. Patent 9,179,005, dated August 25, 2017, 76 pages.	
	22	**PATENT OWNER'S PRELIMINARY RESPONSE TO PETITION FOR *INTER PARTES* REVIEW**, UNITED STATES PATENT AND TRADEMARK OFFICE, BEFORE THE PATENT TRIAL AND APPEAL BOARD, **APPLE INC.**, Petitioner, v. **VoIP-PAL.COM, INC.**, Patent Owner, Case No. IPR2017-01399, U.S. Patent 8,542,815, dated August 25, 2017, 77 pages.	
	23	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; APPLE INC., Petitioner, v. VOIP-PAL.COM., INC. Patent Owner; Cases IPR2016-01198 *and* IPR2016-01201; Patents 9,179,005 B2 *and* 8,542,815 B2; **Record of Oral Hearing**, Held: July 20, 2017; Before JOSIAH C. COCKS, JENNIFER MEYER CHAGNON, and JOHN A. HUDALLA, *Administrative Patent Judges,* 83 pages.	

27083041

Examiner Signature	Date Considered
***Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

T[1] - Place a check mark in this area when an English language Translation is attached.

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

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:33
L2	268665	(370/310-338,395.$.ccls. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2018/06/27 22:34
L3	1	L2 and ((access adj code) same (channel adj (identifier ID identification) same request))	US-PGPUB; USPAT	OR	ON	2018/06/27 22:34
L4	28075	((H04W76/11 OR H04W76/15 OR H04W8/02).CPC.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:34
L5	541465	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:34
L6	12	L5 and ((initiat$4 adj2 call) same (access adj2 code) and (channel ID) and ((non$voice data) adj2 network$5) and (indentifier ID indentification))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:34
L7	400071	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2018/06/27 22:34
L8	8	L7 and ((access adj code) same (channel with (ID identification)) same request)	US-PGPUB; USPAT	OR	ON	2018/06/27 22:34
L9	16903	((H04W76/021 OR H04W76/025 OR H04W8/02).CPC.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:35
L10	13	L9 AND (IP NEAR5 address) WITH (location$4 gps$4 geographical$4) NEAR5 (ID identification$4 key$4 flag$4) AND ((@ad OR @pd OR @rlad OR @prad OR @ptad)<"20090728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:35
L11	7	L9 AND (IP NEAR5 address) WITH	US-PGPUB;	OR	ON	2018/06/27

		(location$4 gps$4 geographical$4) NEAR5 (ID identification$4 key$4 flag$4) AND (@AD <"20090728")	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB			22:35
L12	13	L9 AND (IP NEAR5 address) WITH (location$4 gps$4 geographical$4) NEAR5 (ID identification$4 key$4 flag$4) AND ((@ad OR @pd OR @rlad OR @prad OR @ptad)<"20090728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/27 22:35
L13	6917	H04W8/02.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2018/06/27 22:36
L14	4410	H04W76/025.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 22:36
L15	4889	H04W76/021.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 22:36
L16	44	(L13 L14 L15) AND (plac$3 SAME (wireless mobile cellular) SAME (voice adj2 over adj2 internet VOIP) same call$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 22:36
L17	0	((("BjÃ¶rsell") near3 ("Johan") near3 ("Emil") near3 ("Viktor"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/06/27 22:36
L18	15	((("Sobolyev") near3 ("Maksym"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/06/27 22:37
L19	8	((("Huttunen") near3 ("Pentti") near3 ("Kalevi"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/06/27 22:37
L20	4	((("Malak") near3 ("Emil"))).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/06/27 22:37
L21	8	((("VOIP-PAL.COM") near3 ("INC"))).AS,AANM.	USPAT	OR	OFF	2018/06/27 22:37
L23	14	(("VOIP-PAL.COM")).AS,AANM.	US-PGPUB; USPAT	OR	OFF	2018/06/27 22:38
L24	21	(digifonica).as.	US-PGPUB; USPAT	OR	ON	2018/06/27 22:38
L25	0	(17 18 19 20 21 23 24) AND (IP NEAR2 addess$4 AND access ADJ2 code$3 AND (ID identification key location geographical) AND gateway).clm.	US-PGPUB; USPAT	OR	ON	2018/06/27 22:41
L26	29	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$	US-PGPUB; USPAT; DERWENT	OR	OFF	2018/06/27 23:10

		or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$ or US-20080160953-$ or US-20100004005-$ or US-20090265552-$ or US-20080125146-$ or US-20070156909-$ or US-20080101370-$ or US-20140016635-$ or US-20090017842-$ or US-20060109960-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.				
L27	13	26 and (location$4 geographical$4) WITH (ID key$4 identificat$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 23:11
L28	6	26 and (location$4 geographical$4) WITH (ID key$4 identificat$4) AND (access$4 NEAR5 code$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 23:11
L29	2	26 and (location$4 geographical$4) WITH (ID key$4 identificat$4) AND (access$4 NEAR5 code$4) AND (IP near5 address$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/06/27 23:12
S1	2	"13056277"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/02/25 16:48
S2	34	("20060093135" | "20040022237" | "7055174" | "20060153342" | "20060258328" | "6724860" | "20070112964" | "7046658" | "20030200311" | "8116307" | "6151385" | "6597686" | "6744858" | "20060072550" | "20050025043" | "6963557" | "20040240439").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/02/25 18:09
S3	2	"13056277"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/13 16:03
S4	34	("20060093135" | "20040022237" | "7055174" | "20060153342" | "20060258328" | "6724860" | "20070112964" | "7046658" | "20030200311" | "8116307" | "6151385" | "6597686" | "6744858" | "20060072550" | "20050025043" | "6963557" | "20040240439").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/13 16:03

S5	34	("20060093135" | "20040022237" | "7055174" | "20060153342" | "20060258328" | "6724860" | "20070112964" | "7046658" | "20030200311" | "8116307" | "6151385" | "6597686" | "6744858" | "20060072550" | "20050025043" | "6963557" | "20040240439").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/13 16:03
S6	4	((JOHAN) near2 (BJORSELL)).INV.	US-PGPUB; USPAT	OR	ON	2013/03/13 16:16
S7	3	((MAKSYM) near2 (SOBOLYEV)).INV.	US-PGPUB; USPAT	OR	ON	2013/03/13 16:16
S8	2	((PENTTI) near2 (HUTTUNEN)).INV.	US-PGPUB; USPAT	OR	ON	2013/03/13 16:17
S10	5	(digifonica).as.	US-PGPUB; USPAT	OR	ON	2013/03/13 16:21
S11	5	S6 or S7 or S8 or S10	US-PGPUB; USPAT	OR	ON	2013/03/13 16:21
S12	288340	(370/310-338,395.$.ccls. "379".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2013/03/13 16:29
S13	1195	((caller 'calling party')same (callee 'called party') same access same code same request same call$4)	US-PGPUB; USPAT	OR	ON	2013/03/13 16:33
S14	701	S12 and ((caller 'calling party')same (callee 'called party') same access same code same request same call$4)	US-PGPUB; USPAT	OR	ON	2013/03/13 16:33
S15	40	S12 and ((caller 'calling party')same (callee 'called party') same access same code same request same call$4 same server same rout$5)	US-PGPUB; USPAT	OR	ON	2013/03/13 16:34
S16	23	S12 and ((caller 'calling party')same (callee 'called party') same access same code same request same call$4 same server same rout$5 same (channel or (ID identifier identificat$5)))	US-PGPUB; USPAT	OR	ON	2013/03/13 16:36
S18	2	us-20070112964-$.did. us-20040022237-$.did.	US-PGPUB; USPAT	OR	ON	2013/03/13 16:49
S19	4	us-20070112964-$.did. us-20040022237-$.did.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/13 16:49
S20	245256	(370/310-338,395.$.ccls. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2013/03/13 16:52
S21	1	S20 and ((access adj code) same (channel adj (identifier ID identification) same request))	US-PGPUB; USPAT	OR	ON	2013/03/13 16:53
S22	366030	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2013/03/13 16:54
S24	354	S22 and ((access adj code) same (channel ID identification) same request)	US-PGPUB; USPAT	OR	ON	2013/03/13 16:55
S25	8	S22 and ((access adj code) same (channel with (ID identification)) same	US-PGPUB; USPAT	OR	ON	2013/03/13 16:56

		request)				
S26	10	S22 and ((access adj2 code) same caller same callee)	US-PGPUB; USPAT	OR	ON	2013/03/13 16:59
S27	58	S22 and ((phone caller callee 'calling party') same server same router same (initiat$4 or setup or sett$4)same channel)	US-PGPUB; USPAT	OR	ON	2013/03/13 17:05
S28	10	S22 and ((phone caller callee "calling party" "called party" "called terminal" "calling party") same server same rout$5 same (call near5 (initiat$4 or setup)) same channel same request same (ID identif$7))	US-PGPUB; USPAT	OR	ON	2013/03/13 17:19
S29	257	S22 and (caller callee "calling party" "called party" "called terminal" "calling party") same (call$3 near server) same (router gateway rout$3 adj control$5)	US-PGPUB; USPAT	OR	ON	2013/03/13 17:27
S30	72	S22 and (caller callee "calling party" "called party" "called terminal" "calling party") same (call$3 near server) same (router gateway rout$3 adj control$5) same access$5	US-PGPUB; USPAT	OR	ON	2013/03/13 17:28
S31	11	(US-20070281705-$ or US-20130028251-$ or US-20090252159-$ or US-20080049732-$ or US-20070121590-$ or US-20040042607-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$).did. or (US-7068684-$ or US-6963635-$).did.	US-PGPUB; USPAT	OR	ON	2013/03/13 19:13
S32	9	S31 and ((caller callee "calling party" "called party" "called terminal" "calling party") same (call$3 near server) same (router gateway rout$3 adj control$5))	US-PGPUB; USPAT	OR	ON	2013/03/13 19:13
S33	3	S31 and ((caller callee "calling party" "called party" "called terminal" "calling party") same (call$3 near server) same (router gateway rout$3 adj control$5) and processor and interface and identification)	US-PGPUB; USPAT	OR	ON	2013/03/13 19:16
S34	7	S31 and ((caller callee "calling party" "called party" "called terminal" "calling party") same (call$3 near server) same (router gateway rout$3 adj control$5) and channel and (initiat$5 setup) and (identi$7 ID))	US-PGPUB; USPAT	OR	ON	2013/03/13 19:18
S35	7	S31 and ((caller callee "calling party" "called party" "called terminal" "calling party") same (call$3 near server) same (router gateway rout$3 adj control$5) and channel and (initiat$5 setup) and (identi$7 ID) and voice and (location local$3 geograph$5 area) and number)	US-PGPUB; USPAT	OR	ON	2013/03/13 19:21
S36	2	S31 and ((caller callee "calling party" "called party" "called terminal" "calling party") same (call$3 near server) same (router gateway rout$3 adj control$5) and channel and (initiat$5 setup) and (identi$7 ID) and voice and (location local$3 geograph$5 area) and number	US-PGPUB; USPAT	OR	ON	2013/03/13 19:22

		and expir$5)				
S37	2	S31 and ((caller callee "calling party" "called party" "called terminal" "calling party") same (call$3 near server) same (router gateway rout$3 adj control$5) and channel and (initiat$5 setup) and (identi$7 ID) and voice and (location local$3 geograph$5 area) and number and expir$5 and (access adj code))	US-PGPUB; USPAT	OR	ON	2013/03/13 19:54
S39	3	"7079526".pn. us-20030114145-$.did. "6016319".pn.	US-PGPUB; USPAT	OR	ON	2013/03/14 11:27
S40	409041	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:17
S43	21100	S40 and (initiat$4 adj3 call)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:21
S44	128	S40 and ((initiat$4 adj2 call) same (access adj2 code))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:22
S45	101	S40 and ((initiat$4 adj2 call) same (access adj2 code) and (channel ID))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:23
S46	38	S40 and ((initiat$4 adj2 call) same (access adj2 code) and (channel ID) and ((voice data) adj2 network))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:23
S47	33	S40 and ((initiat$4 adj2 call) same (access adj2 code) and (channel ID) and ((non$voice data) adj2 network$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:25
S48	11	S40 and ((initiat$4 adj2 call) same (access adj2 code) and (channel ID) and ((non$voice data) adj2 network$5) and (indentifier ID indentification))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:26
S49	35	("2006/0189337").URPN.	USPAT	OR	ON	2013/03/15 11:34
S50	5	S46 not S47	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT;	OR	ON	2013/03/15 11:46

			IBM_TDB			
S51	63	S45 not S46	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:47
S52	409041	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:52
S53	0	S52 and ((initiat$4 adj2 call) same (access adj2 code) same (data adj2 network$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:52
S54	213	S52 and ((initiat$4 with call) same (access adj5 code) and (data with network$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:53
S55	159	S52 and ((initiat$4 with call) same (access adj5 code) and (data with network$5) and (wirless mobile handfree))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:54
S56	22	S52 and ((initiat$4 with call) same (access adj5 code) and (data with network$5) and (wirless mobile handfree) adj5 (IP or (internet adj2 protocol)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:54
S57	20	S52 and ((initiat$4 with call) same (access adj5 code) and (data adj5 network$5) and (wirless mobile handfree) adj5 (IP or (internet adj2 protocol)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 11:55
S58	17	(US-20070281705-$ or US-20130028251-$ or US-20090252159-$ or US-20080049732-$ or US-20070121590-$ or US-20040042607-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2013/03/15 12:01
S62	17	S58 and (server)	US-PGPUB; USPAT; DERWENT	OR	ON	2013/03/15 12:02
S63	11	S58 and (server and client)	US-PGPUB; USPAT;	OR	ON	2013/03/15 12:03

			DERWENT			
S64	181	S52 and (channel same (ID indentifier indentification) same request same server same (router rout$5 gateway adj control$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:32
S65	27	S52 and (channel same (ID indentifier indentification) same request same (call$5 near5 server) same (router rout$5 gateway adj control$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:33
S67	154	S64 not S65	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:34
S68	32	S52 and (channel same (ID indentifier indentification) same request same (call$5 near5 server) same (router rout$5 gateway))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:34
S69	2	S52 and (channel same (ID indentifier indentification) same request same (call$5 near5 server) same (router rout$5 gateway) and (wireless adj2 ip adj4 network$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:35
S72	2	S52 and (channel same (ID indentifier indentification) same request same (call$5 near5 server) same (router rout$5 gateway) AND (wireless adj2 ip adj4 network$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:36
S73	5	S52 and (channel same (ID indentifier indentification) same request same (call$5 near5 server) same (router rout$5 gateway) AND (wireless with (ip or (internet adj2 protocol))))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:46
S74	12	S52 and (channel same (ID indentifier indentification) same request same (call$5 near5 server) same (router rout$5 gateway) AND ((wireless mobile) with (ip or (internet adj2 protocol))))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:48
S76	7	S74 not S73	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 12:49
S77	432569	("370".clas. "709".clas. "455".clas. "725".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT;	OR	ON	2013/03/15 13:10

			IBM_TDB			
S79	2	S77 and (channel same (ID indentifier indentification) same request same (call$5 near5 server) same (router rout$5 gateway) AND (wireless adj5 IP))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 13:11
S82	0	S79 and (POOL)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:32
S83	0	S79 and (indenfi$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:33
S84	2	S79 and (identifi$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:33
S85	2	S79 and (identifi$5 and access)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:33
S86	0	S79 and (identifi$5 with access)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:33
S87	2	S79 and (identifi$5 and access and number)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:33
S88	2	S79 and (identifi$5 and access and number and associat$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:34
S89	2	S79 and (identifi$5 and access and number and associat$5 and select$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:34
S90	900	S52 and (pool database) with (access adj code phone adj number) with (associat$3 respective)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT;	OR	ON	2013/03/15 15:57

			IBM_TDB			
S91	0	S52 and (pool database) with (access adj code) with (phone adj number) with (associat$3 respective) same (wireless IP)\	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:57
S92	0	S52 and (pool database) with (access adj code) with (phone adj number) with (associat$3 respective) and (wireless IP)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:58
S93	820	S52 and (pool database) with (access adj code phone adj number) with (associat$3 respective) and (wireless IP)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:58
S94	181	S52 and (pool database) with (access adj code phone adj number) with (associat$3 respective) same (wireless IP)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:58
S95	8	S52 and (pool database) with (access adj code phone adj number) with (associat$3 respective) same (wireless with IP)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 15:59
S98	20	(US-20070281705-$ or US-20130028251-$ or US-20090252159-$ or US-20080049732-$ or US-20070121590-$ or US-20040042607-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2013/03/15 16:13
S99	11	S98 and (local with number)	US-PGPUB; USPAT; DERWENT	OR	ON	2013/03/15 16:17
S100	9	S98 and (local near7 number)	US-PGPUB; USPAT; DERWENT	OR	ON	2013/03/15 16:19
S101	7	S98 and (local near4 number)	US-PGPUB; USPAT; DERWENT	OR	ON	2013/03/15 16:19
S102	3	(US-20040022237-$ or US-20080056235-$).did. or (US-6674745-$).did.	US-PGPUB; USPAT	OR	ON	2013/03/15 16:49
S103	3	S102 AND (ip adj2 address)	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	ON	2013/03/15 16:49

			DERWENT; IBM_TDB			
S104	0	S102 AND (ip adj2 address with mobile)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 16:50
S105	2	S102 AND (ip adj2 address with (receiv$5 reception))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 16:50
S106	3	S102 AND (ip adj2 address with server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 16:52
S107	0	S102 AND (ip adj2 address with server with receiv$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 16:53
S108	1	S102 AND (ip adj2 address with receiv$3 same server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 16:53
S109	0	S102 AND ((ip adj address) with caller)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 16:54
S110	2	S102 AND ((ip adj address) with call$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/15 16:54
S111	1	"12116756"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 14:43
S112	3	(US-20040022237-$ or US-20080056235-$).did. or (US-6674745-$).did.	US-PGPUB; USPAT	OR	ON	2013/03/16 15:36
S115	1	S112 AND (identif$5 same wireless)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 15:37
S116	3	S112 AND (identif$5 and (mobile	US-PGPUB;	OR	ON	2013/03/16

		wireless))	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB			16:09
S117	1	S112 AND (identif$5 with (mobile wireless))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:09
S118	2	S112 AND (identif$5 same (mobile wireless))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:09
S119	3	S112 AND (identi$6 and (mobile wireless) and config$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:11
S122	3	S112 AND (identi$6 and (mobile wireless) and config$5 and user)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:11
S123	3	S112 AND (identi$6 and (mobile wireless) and config$5 and user and location)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:12
S124	2	S112 AND (identi$6 same (mobile wireless) and config$5 and user and location)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:12
S126	1	S112 AND (identi$6 same (mobile wireless) and (config$5 same location) and user)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:13
S127	1	S112 AND (identi$6 same (mobile wireless) same location and (config$5 same user))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:17
S128	2	S112 AND (location same identi$6 same user)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 16:50
S129	3	S112 AND (local same number)	US-PGPUB;	OR	ON	2013/03/16

			USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB			17:08
S130	2	S112 AND (local near5 number)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 17:12
S131	3	S112 AND (IP adj2 network same rout$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 17:19
S136	3	S112 AND (call same channel)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 17:39
S137	1	S112 AND (call same channel same establ$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 17:39
S141	1	S112 AND (establ$5 same call same channel)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 17:41
S142	2	S112 AND (call$5 same identif$6 same access)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 18:31
S143	1	S112 AND (call$5 same identif$6 same access same code)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/16 18:31
S144	3	(US-20040022237-$ or US-20080056235-$).did. or (US-6674745-$).did.	US-PGPUB; USPAT	OR	ON	2013/03/18 19:29
S145	3	S144 and (telephone same number)	US-PGPUB; USPAT	OR	ON	2013/03/18 19:30
S146	2	S144 and ((number or code) with match$4)	US-PGPUB; USPAT	OR	ON	2013/03/18 19:31
S147	3	S144 and ((number or code or ID or identifier) with called)	US-PGPUB; USPAT	OR	ON	2013/03/18 19:37
S148	2	S144 and ((number or code or ID or identifier) with channel)	US-PGPUB; USPAT	OR	ON	2013/03/18 19:45
S149	1	S144 and ((number or code) same (ID	US-PGPUB;	OR	ON	2013/03/18

		or identifier) same channel)	USPAT			19:46
S150	2	S144 and ((number or code or ID or identifier) same channel same (called dialed))	US-PGPUB; USPAT	OR	ON	2013/03/18 19:49
S151	2	S144 and (channel same (called dialed))	US-PGPUB; USPAT	OR	ON	2013/03/18 19:51
S152	3	S144 and (TTL expir$5 timestap)	US-PGPUB; USPAT	OR	ON	2013/03/18 19:56
S153	3	S144 and (TTL expir$5 timestamp)	US-PGPUB; USPAT	OR	ON	2013/03/18 19:56
S154	2	S144 and (data non$1voice) with (reply respon$4)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:09
S155	2	S144 and (data non$1voice) same (code numer ID identifier) same (reply respon$4)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:10
S156	3	S144 and (data non$1voice) same (code numer ID identifier)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:12
S157	3	S144 and (data non$1voice) same (code numer ID identifier) same2 (reply$3 respon$5)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:14
S158	3	S144 and (data non$1voice) same (code number ID identifier) same2 (reply$3 respon$5)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:14
S159	3	S144 and (data non$1voice) same (code number ID identifier) same (reply$3 respon$5)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:17
S160	1	S144 and code with (reply$3 respon$5)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:19
S161	3	S144 and (number ID identifier) with (reply$3 respon$5)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:21
S162	2	S144 and (access adj code)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:23
S163	0	S144 and (access adj code) same (reply reponse respond$3)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:23
S164	1	S144 and (access adj code) same2 (reply reponse respond$3)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:24
S165	1	S144 and code same query	US-PGPUB; USPAT	OR	ON	2013/03/18 20:26
S166	0	"L29" and (data with interface with access adj code with (reply response respond$3))	US-PGPUB; USPAT	OR	ON	2013/03/18 20:26
S167	366130	("370".clas. "709".cias. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2013/03/18 20:27
S168	6	S167 and (data with interface with access adj code with (reply response respond$3))	US-PGPUB; USPAT	OR	ON	2013/03/18 20:27
S169	1	S167 and (access adj code) with expir$5 with (establish$4 ssetup)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:41
S170	3	S167 and (access adj code) with expir$5 with (establish$4 setup)	US-PGPUB; USPAT	OR	ON	2013/03/18 20:41
S171	8	S167 and (access adj code) with expir$5 with call$3	US-PGPUB; USPAT	OR	ON	2013/03/18 20:43
S172	5	(US-20040022237-$ or US-20080056235-$ or US-20020122391-	US-PGPUB; USPAT	OR	ON	2013/03/22 14:46

		$).did. or (US-6674745-$ or US-5454030-$).did.				
S173	3	S172 and (dial$3 with number)	US-PGPUB; USPAT	OR	ON	2013/03/22 15:52
S174	2	S172 and (called with number with request)	US-PGPUB; USPAT	OR	ON	2013/03/22 15:58
S175	1	S172 and (calling with number with request)	US-PGPUB; USPAT	OR	ON	2013/03/22 16:00
S176	1	S172 and (calling with request)	US-PGPUB; USPAT	OR	ON	2013/03/22 16:01
S178	2	S172 and (request with access)	US-PGPUB; USPAT	OR	ON	2013/03/22 16:03
S179	4	S172 and (access near code)	US-PGPUB; USPAT	OR	ON	2013/03/22 16:04
S180	1	S172 and (access with soft)	US-PGPUB; USPAT	OR	ON	2013/03/22 16:06
S181	1	S172 and (access same soft same (caller calling))	US-PGPUB; USPAT	OR	ON	2013/03/22 16:08
S182	1	S172 and (access same request$3 same (caller calling))	US-PGPUB; USPAT	OR	ON	2013/03/22 16:09
S185	1	S172 and (reply with request$3)	US-PGPUB; USPAT	OR	ON	2013/03/22 16:15
S186	5	S172 and (reply response)	US-PGPUB; USPAT	OR	ON	2013/03/22 16:16
S187	4	S172 and ((reply response) with (code id identif$8))	US-PGPUB; USPAT	OR	ON	2013/03/22 16:19
S188	4	S172 and ((calling caller) with (code id identif$8))	US-PGPUB; USPAT	OR	ON	2013/03/22 16:21
S189	3	S172 and ((calling caller) with (reply$3 respon$5))	US-PGPUB; USPAT	OR	ON	2013/03/22 16:23
S190	1	S172 and ((calling caller) same called same (initial$5 code access))	US-PGPUB; USPAT	OR	ON	2013/03/22 16:24
S191	4	S172 and ((reply response) with (code id identif$8) with (reply$3 respon$5))	US-PGPUB; USPAT	OR	ON	2013/03/22 16:38
S193	5	(US-20040022237-$ or US-20080056235-$ or US-20020122391-$).did. or (US-6674745-$ or US-5454030-$).did.	US-PGPUB; USPAT	OR	ON	2013/03/23 12:05
S194	3	S193 and (ip adj2 address)	US-PGPUB; USPAT	OR	ON	2013/03/23 12:06
S195	0	S193 and (ip adj2 address with mobile)	US-PGPUB; USPAT	OR	ON	2013/03/23 12:07
S196	1	S193 and (ip adj2 address same mobile)	US-PGPUB; USPAT	OR	ON	2013/03/23 12:07
S197	3	S193 and (ip adj2 address)	US-PGPUB; USPAT	OR	ON	2013/03/23 12:08
S198	3	S193 and (ip adj1 address)	US-PGPUB; USPAT	OR	ON	2013/03/23 12:17
S199	1	S193 and (mobile same routed)	US-PGPUB; USPAT	OR	ON	2013/03/23 13:17
S200	2	S193 and (mobile same rout$4)	US-PGPUB; USPAT	OR	ON	2013/03/23 13:18
S201	2	US-20070112964-$.did.	US-PGPUB; USPAT;	OR	ON	2013/03/25 12:44

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S202	2	"5519769".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/03/25 12:55
S203	5	"13056277"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/11/09 13:30
S204	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/11/09 13:30
S205	68	("20020116464" | "20040255126" | "20060072547" | "20060093135" | "20060153342" | "20080056302" | "20120099599" | "20120227101" | "5469497" | "5608786" | "5712907" | "5838682" | "5905736" | "5930343" | "5991291" | "6005926" | "20120170574" | "20040203582" | "20050287979" | "20070047548" | "20080167019" | "20080167020" | "20080187122" | "20100177671" | "20110201321" | "6993015" | "7400881" | "7573982" | "7738384" | "8041022" | "8189568" | "8437340" | "8462915" | "8605714" | "8750290" | "7587036" | "20140349602" | "8111690" | "8713098" | "20090213839" | "20100083364" | "20100115018" | "20110208859" | "20110276903" | "20110276904" | "20110292929" | "20120089717" | "20130329722" | "20140016764" | "8078164" | "8396445" | "8634838" | "8903051" | "8909556" | "8938534" | "20050222952" | "6636833" | "7447707" | "7676431" | "7765261" | "8161078" | "8627211" | "20020122391" | "20060160565" | "20060177035" | "20060209768" | "20080037715" | "5146491").pn.	US-PGPUB; USPAT	OR	OFF	2015/11/09 14:04
S206	7	((Pentti) near2 (Huttunen)).INV.	US-PGPUB; USPAT	OR	OFF	2015/11/09 14:08
S208	4	((Emil) near2 (Malak)).INV.	US-PGPUB; USPAT	OR	OFF	2015/11/09 14:08
S209	19	((bjorsell) near2 (johan)).INV.	US-PGPUB; USPAT	OR	OFF	2015/11/09 14:09
S210	21	(digifonica).as.	US-PGPUB; USPAT	OR	ON	2015/11/09 14:09
S211	9	((Maksym) near2 (Sobolyev)).INV.	US-PGPUB;	OR	OFF	2015/11/09

			USPAT			14:10
S212	25	S206 S208 S209 S210 S211	US-PGPUB; USPAT	OR	OFF	2015/11/09 14:10
S213	267985	(370/310-338,395.$.ccls. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2015/11/09 14:12
S214	9728	S213 and ((location$4 GPS) AND (ID identificat$4)).clm.	US-PGPUB; USPAT	OR	ON	2015/11/09 14:12
S215	1	S212 and ((location$4 GPS) AND (ID identificat$4)).clm.	US-PGPUB; USPAT	OR	ON	2015/11/09 14:12
S216	3	S212 and ((location$4 GPS) AND (ID identificat$4 key flag$4 number digit)).clm.	US-PGPUB; USPAT	OR	ON	2015/11/09 14:13
S217	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/11/09 14:14
S218	22	(US-20070281705-$ or US-20130028251-$ or US-20090252159-$ or US-20080049732-$ or US-20070121590-$ or US-20040042607-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/09 15:24
S219	20	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/09 16:15
S220	22	(US-20070281705-$ or US-20090252159-$ or US-20130028251-$ or US-20040042607-$ or US-20080049732-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/09 16:15

		$).did.				
S221	21	S220 and (locat$4 GPS)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:15
S222	17	S220 and (locat$4 GPS) AND (ID identificat$4 key$4 flag$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:16
S223	13	S220 and (locat$4 GPS) SAME (ID identificat$4 key$4 flag$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:16
S224	13	S220 and (locat$4 GPS) SAME (ID identificat$4 key$4 flag$4) AND (mobile wireless cellular portable)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:16
S225	10	S220 and (locat$4 GPS) SAME (ID identificat$4 key$4 flag$4) SAME (mobile wireless cellular portable)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:16
S226	10	S220 and (locat$4 GPS) SAME (ID identificat$4 key$4 flag$4) SAME (mobile wireless cellular portable) AND (server$4 router$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:17
S227	9	S220 and (locat$4 GPS) SAME (ID identificat$4 key$4 flag$4) SAME (mobile wireless cellular portable) SAME (server$4 router$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:17
S228	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:28
S230	4816	H04W8/02.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2015/11/09 16:29
S231	5819	H04W76/025.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:31
S233	5844	H04W76/021.cpc.	US-PGPUB;	OR	OFF	2015/11/09

			USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB			16:32
S235	27	S230 AND (plac$3 WITH VOIP same call$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 16:33
S236	56	(S230 S231 S233) AND (plac$3 WITH VOIP same call$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 17:19
S237	48	(S230 S231 S233) AND (plac$3 SAME (wireless mobile cellular) WITH VOIP same call$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 17:20
S238	63	(S230 S231 S233) AND (plac$3 SAME (wireless mobile cellular) SAME (voice adj2 over adj2 internet VOIP) same call$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 17:20
S239	2	(US-20040022237-$ or US-20080056235-$).did.	US-PGPUB	OR	OFF	2015/11/09 17:34
S240	28	(S230 S231 S233) AND (plac$3 SAME (wireless mobile cellular) SAME (voice adj2 over adj2 internet VOIP) same call$3 AND (SMS short adj2 messag$4 adj2 serv$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 17:35
S241	4816	H04W8/02.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2015/11/09 19:23
S242	5819	H04W76/025.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:23
S243	5844	H04W76/021.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:23
S244	976	(S241 S242 S243) AND (SMS short adj2 messag$4 adj2 servic$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:23
S245	397	(S241 S242 S243) AND ((VoIP vo$1IP	US-PGPUB;	OR	OFF	2015/11/09

		voice adj2 over adj (IP internet)) AND (SMS short adj2 messag$4 adj2 servic$3))	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB			19:24
S246	259	(S241 S242 S243) AND ((VoIP vo$1IP voice adj2 over adj (IP internet)) AND (SMS short adj2 messag$4 adj2 servic$3) AND server and controller)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:25
S247	29	(S241 S242 S243) AND ((VoIP vo$1IP voice adj2 over adj (IP internet)) AND (SMS short adj2 messag$4 adj2 servic$3) AND server and controller and (location adj2 ID location adj2 identif$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:26
S248	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:35
S249	1	S248 and (receiv$$ SAME user SAME identifier SAME destination)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:36
S250	1	S248 and (receiv$$ SAME user SAME identifier)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/09 19:36
S251	20	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/29 22:07
S252	252985	((H04L29/06027 OR H04L29/06 OR H04L29/1216 OR H04L61/157 OR H04L65/1069 OR H04L12/4608 OR H04L12/66 OR H04L29/12122 OR H04L61/1547 OR H04L65/1026 OR H04L65/103 OR H04L65/1036 OR H04L65/104 OR H04L67/14 OR H04L69/329 OR H04L12/1813 OR H04L12/5695 OR H04L12/6418 OR H04L2012/5626 OR H04L2012/563 OR H04L2012/5645 OR H04L2012/5667 OR H04L2012/5668 OR H04L2012/6472 OR H04L29/12094 OR H04L29/12584 OR H04L29/12896 OR H04L29/12933 OR	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/29 22:25

		H04L47/724 OR H04L47/803 OR H04L47/805 OR H04L61/1529 OR H04L61/2015 OR H04L61/2596 OR H04L61/605 OR H04L61/6068 OR H04L63/061 OR H04L63/0823 OR H04L63/126 OR H04L63/164 OR H04L65/1003 OR H04L65/1006 OR H04L65/1009 OR H04L65/1013 OR H04L65/1043 OR H04L65/1046 OR H04L65/1083 OR H04L65/1096 OR H04L65/4007 OR H04L65/403 OR H04L65/604 OR H04L65/605 OR H04L67/02 OR H04L67/04 OR H04L67/24 OR H04L67/34 OR H04L67/40 OR H04L69/08 OR H04M15/00 OR H04M7/006 OR H04M7/009 OR H04M11/066 OR H04M15/06 OR H04M15/08 OR H04M15/41 OR H04M15/43 OR H04M15/48 OR H04M15/56 OR H04M15/63 OR H04M15/68 OR H04M15/745 OR H04M15/8292 OR H04M1/2473 OR H04M1/2535 OR H04M2203/2022 OR H04M2203/4536 OR H04M2207/12 OR H04M2207/18 OR H04M2207/20 OR H04M2215/0108 OR H04M2215/0156 OR H04M2215/0164 OR H04M2215/0168 OR H04M2215/0196 OR H04M2215/202 OR H04M2215/62 OR H04M2215/68 OR H04M2242/14 OR H04M3/20 OR H04M3/42 OR H04M3/42008 OR H04M3/42042 OR H04M3/42068 OR H04M3/4228 OR H04M3/42314 OR H04M3/42348 OR H04M3/42365 OR H04M3/523 OR H04M3/53325 OR H04M3/545 OR H04M3/567 OR H04M7/00 OR H04M7/0021 OR H04M7/0057 OR H04M7/123 OR H04M7/1245 OR H04M7/125 OR H04M7/1255 OR H04M7/126 OR H04M7/128 OR H04M7/1285 OR H04Q3/0025 OR H04Q3/0045 OR H04Q11/0478 OR H04Q2213/13098 OR H04Q2213/1324 OR H04Q2213/13288 OR G06Q20/3674 OR H04H60/43 OR H04H60/51 OR H04H60/91 OR H04N21/2665 OR H04N21/4126 OR H04N21/42203 OR H04N21/6581 OR H04N21/6582 OR H04N7/17318 OR H04W28/16 OR H04W4/06 OR H04W4/10 OR H04W4/22 OR H04W60/04 OR H04W76/005 OR H04W76/007 OR H04W76/02 OR H04W76/021 OR H04W76/025 OR H04W80/00 OR H04W80/04 OR H04W84/005 OR H04W88/08 OR H04W8/02 OR H04W8/085 OR Y10S379/90).CPC.)				
S253	1	"14035806"	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/29 22:26
S254	6639	((H04W76/021 OR H04W76/025 OR H04W8/02).CPC.)	US-PGPUB; USPAT;	OR	OFF	2015/11/29 22:45

			DERWENT			
S255	268033	(370/310-338,395.$.ccls. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2015/11/29 23:32
S256	4832	H04W8/02.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2015/11/29 23:32
S257	5881	H04W76/025.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/29 23:32
S258	5933	H04W76/021.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/29 23:32
S259	29	(S256 S257 S258) AND ((VoIP vo$1IP voice adj2 over adj (IP internet)) AND (SMS short adj2 messag$4 adj2 servic$3) AND server and controller and (location adj2 ID location adj2 identif$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/29 23:32
S260	265	(S254 S255) AND ((VoIP vo$1IP voice adj2 over adj (IP internet)) AND (SMS short adj2 messag$4 adj2 servic$3) AND server and controller and (location adj2 ID location adj2 identif$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/29 23:33
S261	95	(S254 S255) AND ((VoIP vo$1IP voice adj2 over adj (IP internet)) SAME (SMS short adj2 messag$4 adj2 servic$3) AND server and controller and (location adj2 ID location adj2 identif$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/29 23:33
S262	25	(S254 S255) AND ((VoIP vo$1IP voice adj2 over adj (IP internet)) SAME (SMS short adj2 messag$4 adj2 servic$3) AND server SAME (location adj2 ID location adj2 identif$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/29 23:33
S263	4	(S254 S255) AND ((VoIP vo$1IP voice adj2 over adj (IP internet)) SAME (SMS short adj2 messag$4 adj2 servic$3) SAME server SAME (location adj2 ID location adj2 identif$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/29 23:34
S264	6575	(reply with mobile) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2015/11/30 00:57
S265	2208	(reply with mobile same server) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2015/11/30 00:57
S266	168	(reply with mobile same server same sms) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2015/11/30 00:57
S267	35	(reply with mobile same server same	US-PGPUB;	OR	ON	2015/11/30

		sms same gateway) and (@ad <"20080728" @rlad <"20080728")	USPAT			00:58
S268	25	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$ or US-20080160953-$ or US-20100004005-$ or US-20090265552-$ or US-20080125146-$ or US-20070156909-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/30 02:11
S269	12	S268 and SMS	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 02:11
S270	12	S268 and (SMS same server$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 02:12
S271	1	S268 and (SMS same server$3 same locat$4 NEAR5 (ID address identificat$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 02:12
S272	25	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$ or US-20080160953-$ or US-20100004005-$ or US-20090265552-$ or US-20080125146-$ or US-20070156909-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/30 09:34
S273	12	S272 and (SMS same server$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 09:34
S274	5	S272 and (SMS same server$3 SAME (location GPS))	US-PGPUB; USPAT;	OR	OFF	2015/11/30 09:38

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S275	5	"20080101370"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 09:42
S276	26	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$ or US-20080160953-$ or US-20100004005-$ or US-20090265552-$ or US-20080125146-$ or US-20070156909-$ or US-20080101370-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/30 09:47
S277	6	S276 and (SMS SAME server SAME (location GPS))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 09:47
S278	8	S276 and (SMS SAME server SAME3 (location GPS))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 10:08
S279	17	S276 and ((ID identification key flag address) SAME (location GPS))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 11:00
S280	15	S276 and ((ID identification key flag address) SAME (location GPS) SAME server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 11:01
S281	11	S276 and ((transmit$4 send$4) SAME (ID identification key flag address) SAME (location GPS) SAME server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 11:03
S282	3	S276 and ((transmit$4 send$4) SAME (ID identification key flag address) WITH (location GPS) WITH server)	US-PGPUB; USPAT; FPRS; EPO; JPO;	OR	OFF	2015/11/30 11:11

			DERWENT; IBM_TDB			
S283	2	(US-20080160953-$ or US-20080056235-$).did.	US-PGPUB	OR	OFF	2015/11/30 12:07
S284	2	S283 and (SMS SAME server)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 12:07
S285	2	S283 and (location SAME channel)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 12:25
S286	1	"14035806"	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/11/30 12:59
S287	0	S283 and (poll)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 14:04
S288	1	S283 and (poll multiple)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 14:05
S289	2	S283 and (local and call)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 14:07
S290	2	S283 and (local SAME call)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 14:07
S291	2	S283 and (IP SAME address)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 14:09
S292	0	S283 and (time with out)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 14:20
S293	0	S283 and (expired)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT;	OR	OFF	2015/11/30 14:21

			IBM_TDB			
S294	1	S283 and (expired out)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/11/30 14:21
S295	26	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$ or US-20080160953-$ or US-20100004005-$ or US-20090265552-$ or US-20080125146-$ or US-20070156909-$ or US-20080101370-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2016/01/02 22:35
S296	2	(US-20080056235-$ or US-20080160953-$).did.	US-PGPUB	OR	OFF	2016/01/02 22:36
S297	0	S296 and (destinat$$ adj2 (ID key flag identificat$4) and (location adj2 ID) and channel$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/02 22:37
S298	0	S296 and (destinat$$ SAME (ID key flag identificat$4) SAME (location adj2 ID) and channel$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/02 22:37
S299	1	S296 and (destinat$$ SAME (ID key flag identificat$4) SAME channel$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/02 22:38
S300	2	(US-20080056235-$ or US-20080160953-$).did.	US-PGPUB	OR	OFF	2016/01/03 18:45
S301	1	S300 and (destinat$$ SAME (ID key flag identificat$4) SAME channel$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/03 18:45
S302	26	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$ or US-	US-PGPUB; USPAT; DERWENT	OR	OFF	2016/01/06 12:00

		20080160953-$ or US-20100004005-$ or US-20090265552-$ or US-20080125146-$ or US-20070156909-$ or US-20080101370-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.				
S303	2	"13710282"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/06 17:24
S304	1	S303 and (similar SAME power$4 same sav$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/06 17:25
S305	1	S303 and (similar NEAR10 power$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/06 18:18
S306	2	(US-20080056235-$ or US-20080160953-$).did.	US-PGPUB	OR	OFF	2016/01/06 21:55
S307	26	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$ or US-20080160953-$ or US-20100004005-$ or US-20090265552-$ or US-20080125146-$ or US-20070156909-$ or US-20080101370-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2016/01/07 14:24
S308	2	(US-20080056235-$ or US-20080160953-$).did.	US-PGPUB	OR	OFF	2016/01/07 14:24
S309	1	"14035806"	US-PGPUB; USPAT	OR	OFF	2016/01/07 15:02
S310	2	(US-20080056235-$ or US-20080160953-$).did.	US-PGPUB	OR	OFF	2016/01/07 15:03
S311	26	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$ or US-20080160953-$ or US-20100004005-$	US-PGPUB; USPAT; DERWENT	OR	OFF	2016/01/07 15:03

		or US-20090265552-$ or US-20080125146-$ or US-20070156909-$ or US-20080101370-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.				
S312	1	S310 and ((channel$4 tunnel$4 frequenc$4) WITH (ID identificat$4 key flag))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/07 15:04
S313	2	S310 and ((channel$4 tunnel$4 frequenc$4) SAME (ID identificat$4 key flag))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/07 15:04
S314	1	S310 and ((channel$4 tunnel$4 frequenc$4) NEAR10 (ID identificat$4 key flag))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/07 15:35
S315	2	(US-20080056235-$ or US-20080160953-$).did.	US-PGPUB	OR	OFF	2016/01/07 15:35
S316	1	S315 and (destinat$$ SAME (ID key flag identificat$4) SAME channel$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/07 15:35
S317	2	S315 and (channel)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/07 16:18
S319	2	S315 and (channel and location)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/01/07 18:15
S320	5569	H04W8/02.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2016/10/17 13:25
S321	8486	H04W76/025.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/10/17 13:25
S322	8300	H04W76/021.cpc.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT;	OR	OFF	2016/10/17 13:25

			IBM_TDB			
S323	46	(S320 S321 S322) AND ((VoIP vo$1IP voice adj2 over adj (IP internet)) AND (SMS short adj2 messag$4 adj2 servic$3) AND server and controller and (location adj2 ID location adj2 identif$5))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/10/17 13:25
S324	8	((Pentti) near2 (Huttunen)).INV.	US-PGPUB; USPAT	OR	OFF	2016/10/17 13:25
S325	4	((Emil) near2 (Malak)).INV.	US-PGPUB; USPAT	OR	OFF	2016/10/17 13:25
S326	22	((bjorsell) near2 (johan)).INV.	US-PGPUB; USPAT	OR	OFF	2016/10/17 13:25
S327	21	(digifonica).as.	US-PGPUB; USPAT	OR	ON	2016/10/17 13:25
S328	10	((Maksym) near2 (Sobolyev)).INV.	US-PGPUB; USPAT	OR	OFF	2016/10/17 13:25
S329	29	S324 S325 S326 S327 S328	US-PGPUB; USPAT	OR	OFF	2016/10/17 13:25
S330	1	S329 and ((location$4 GPS) AND (ID identificat$4)).clm.	US-PGPUB; USPAT	OR	ON	2016/10/17 13:25
S331	313876	(370/310-338,395.$.ccls. "379".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2016/10/17 13:26
S332	28	S331 and ((caller 'calling party')same (callee 'called party') same access same code same request same call$4 same server same rout$5 same (channel or (ID identifier identificat$5)))	US-PGPUB; USPAT	OR	ON	2016/10/17 13:26
S333	268664	(370/310-338,395.$.ccls. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2016/10/17 13:26
S334	1	S333 and ((access adj code) same (channel adj (identifier ID identification) same request))	US-PGPUB; USPAT	OR	ON	2016/10/17 13:26
S335	506306	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/10/17 13:26
S336	12	S335 and ((initiat$4 adj2 call) same (access adj2 code) and (channel ID) and ((non$voice data) adj2 network$5) and (indentifier ID indentification))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2016/10/17 13:26
S337	2	(US-20080056235-$ or US-20080160953-$).did.	US-PGPUB	OR	ON	2016/10/17 13:55
S338	2	S337 and (database list table log) WITH (locat$4 GPS)	US-PGPUB	OR	ON	2016/10/17 14:12
S339	2	S337 and (database list table log) WITH (locat$4 GPS) AND (IP internet adj2 protocol)	US-PGPUB	OR	ON	2016/10/17 14:19
S340	0	S337 and (database list table log) WITH (locat$4 GPS) WITH (IP internet adj2 protocol)	US-PGPUB	OR	ON	2016/10/17 14:19

S341	2	S337 and (database list table log) WITH (locat$4 GPS) SAME (IP internet adj2 protocol)	US-PGPUB	OR	ON	2016/10/17 14:19
S342	2	S337 and (database list table log) WITH (locat$4 GPS) SAME (IP internet adj2 protocol) and location	US-PGPUB	OR	ON	2016/10/17 14:45
S343	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2016/11/15 14:32
S344	26	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$ or US-20080160953-$ or US-20100004005-$ or US-20090265552-$ or US-20080125146-$ or US-20070156909-$ or US-20080101370-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2016/11/15 15:00
S345	6	cn adj2 "102307082"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2016/11/15 15:52
S346	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	ON	2016/11/15 16:54
S347	1	(US-20080056235-$).did.	US-PGPUB	OR	ON	2016/11/15 19:52
S348	2	(US-20080056235-$ or US-20080160953-$).did.	US-PGPUB	OR	ON	2016/11/15 19:53
S349	2	S348 AND (locat$5 GPS) WITH (ID key identification flag$4)	US-PGPUB	OR	ON	2016/11/15 19:54
S350	2	S348 AND (locat$5 GPS) WITH (ID key identification flag$4) AND (ID key identification flag$4)	US-PGPUB	OR	ON	2016/11/15 19:55
S351	2	(US-20080056235-$ or US-20080160953-$).did.	US-PGPUB	OR	ON	2016/11/15 20:58
S352	2	S351 AND (locat$5 GPS) WITH (ID key identification flag$4) AND (ID key identification flag$4)	US-PGPUB	OR	ON	2016/11/15 20:58
S353	432	((Access NEAR5 server) AND (location$4 GPS) SAME (destinat$4 NEAR5 ID)) AND (@AD <"201080728")	US-PGPUB	OR	ON	2016/11/15 21:57
S354	752	((Access NEAR5 server) AND (location$4 GPS) SAME (destinat$4 NEAR5 ID)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2016/11/15 21:58
S355	402	((Access NEAR5 server) AND (	US-PGPUB;	OR	ON	2016/11/15

		location$4 GPS) WITH (destinat$4 NEAR5 ID)) AND (@AD <"201080728")	USPAT; FPRS; EPO; JPO; IBM_TDB			21:58
S356	11	((Access NEAR5 server) SAME (location$4 GPS) WITH (destinat$4 NEAR5 ID)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2016/11/15 21:58
S357	97	((request$4 NEAR5 (messag$4 packet frame PDU data adj2 unit)) SAME (location$4 GPS) WITH (destinat$4 NEAR5 ID)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2016/11/15 22:00
S358	19	((request$4 NEAR5 (messag$4 packet frame PDU data adj2 unit)) SAME (location$4 GPS) WITH (destinat$4 NEAR5 ID) SAME (server)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2016/11/15 22:01
S359	43	((request$4 SAME (messag$4 packet frame PDU data adj2 unit)) SAME (location$4 GPS) SAME (destinat$4 NEAR5 ID) SAME (server) SAME (channel$4 path$4 rout$4)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2016/11/15 22:42
S360	29	((JOHAN) near2 (BJORSELL)).INV.	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S361	14	((MAKSYM) near2 (SOBOLYEV)).INV.	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S362	8	((PENTTI) near2 (HUTTUNEN)).INV.	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S363	21	(digifonica).as.	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S364	34	S360 or S361 or S362 or S363	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S365	313893	(370/310-338,395.$.ccls. "379".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S366	27	S365 and ((caller 'calling party')same (callee 'called party') same access same code same request same call$4 same server same rout$5 same (channel or (ID identifier identificat$5)))	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S367	268678	(370/310-338,395.$.ccls. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S368	1	S367 and ((access adj code) same (channel adj (identifier ID identification) same request))	US-PGPUB; USPAT	OR	ON	2017/08/21 11:58
S369	45	((request$4 SAME (messag$4 packet frame PDU data adj2 unit)) SAME (location$4 GPS) SAME (destinat$4 NEAR5 ID) SAME (server) SAME (channel$4 path$4 rout$4)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2017/08/21 11:59
S370	400075	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT	OR	ON	2017/08/21 11:59

S371	8	S370 and ((access adj code) same (channel with (ID identification)) same request)	US-PGPUB; USPAT	OR	ON	2017/08/21 11:59
S372	8	((Pentti) near2 (Huttunen)).INV.	US-PGPUB; USPAT	OR	OFF	2017/08/21 11:59
S373	4	((Emil) near2 (Malak)).INV.	US-PGPUB; USPAT	OR	OFF	2017/08/21 11:59
S374	29	((bjorsell) near2 (johan)).INV.	US-PGPUB; USPAT	OR	OFF	2017/08/21 11:59
S375	21	(digifonica).as.	US-PGPUB; USPAT	OR	ON	2017/08/21 11:59
S376	14	((Maksym) near2 (Sobolyev)).INV.	US-PGPUB; USPAT	OR	OFF	2017/08/21 11:59
S377	36	S372 S373 S374 S375 S376	US-PGPUB; USPAT	OR	OFF	2017/08/21 11:59
S378	1	S377 and ((location$4 GPS) AND (ID identificat$4)).clm.	US-PGPUB; USPAT	OR	ON	2017/08/21 11:59
S379	528836	("370".clas. "709".clas. "455".clas.) and (@ad <"20080728" @rlad <"20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/08/21 12:00
S380	12	S379 and ((initiat$4 adj2 call) same (access adj2 code) and (channel ID) and ((non$voice data) adj2 network$5) and (indentifier ID indentification))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/08/21 12:00
S381	11	((Access NEAR5 server) SAME (location$4 GPS) WITH (destinat$4 NEAR5 ID)) AND (@AD <"201080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2017/08/21 12:00
S382	13	("20020150080" | "20060195584" | "20070121590" | "20070121602" | "20170104868" | "20170111265" | "20170126752" | "20170142256" | "576852106" | "6947531" | "7477843" | "9537762" | "9549071" | "9565307").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:07
S383	4	("20030043974" | "20050069097" | "6434143" | "7774711").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:07
S384	1	("7174156").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:07
S385	24	("20020057764" | "20050007999" | "20060109960" | "20060233317" | "20070036139" | "20070064919" | "20090238168" | "20100002701" | "20150327320" | "20150358470" | "20160006882" | "20160028619" | "4747124" | "5742596" | "5991378" | "6603977" | "6961334" | "7042985" | "7218722" | "7366157" | "7486684" | "8036366" | "8594298" | "9179005").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:07
S386	24	("20020057764" | "20050007999" | "20060109960" | "20060233317" |	US-PGPUB; USPAT	OR	ON	2017/08/21 13:08

		"20070036139" | "20070064919" | "20090238168" | "20100002701" | "20150327320" | "20150358470" | "20160006882" | "20160028619" | "4747124" | "5742596" | "5991378" | "6603977" | "6961334" | "7042985" | "7218722" | "7366157" | "7486684" | "8036366" | "8594298" | "9179005").PN.				
S387	43	("20050131813" | "20050171898" | "20050192897" | "20050192901" | "20050222952" | "20050267842" | "20060006224" | "20060036522" | "20060095320" | "20060116892" | "20060195398" | "20070016524" | "20140141884" | "5677955" | "5883810" | "6173272" | "6243689" | "6636833" | "6772188" | "6892184" | "7051072" | "7330835" | "7426492" | "7437665" | "7447707" | "7580886" | "7593884" | "7599944" | "7644037" | "7647500" | "7676431" | "7680737" | "7734544" | "7765261" | "7765266" | "7882011" | "7899742" | "8060887" | "8161078" | "8200575" | "8543477" | "8627211" | "8702505").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:08
S388	71	("20070053382" | "20090213839" | "20100083364" | "20100114896" | "20100115018" | "20100142382" | "20100220852" | "20100233991" | "20100278534" | "20100316195" | "20110072095" | "20110167164" | "20110208859" | "20110235543" | "20110273526" | "20110276903" | "20110276904" | "20110292929" | "20120089717" | "20120096145" | "20120155333" | "20120195236" | "20120259975" | "20120270554" | "20130039226" | "20130097308" | "20130128879" | "20130148549" | "20130173534" | "20130229950" | "20130287006" | "20130310002" | "20130318166" | "20130329722" | "20130329864" | "20140010119" | "20140016764" | "20140153477" | "20140215642" | "20140307858" | "20140321333" | "6327351" | "7203478" | "7958233" | "8078164" | "8127005" | "8166547" | "8190739" | "8223927" | "8300632" | "8315521" | "8396445" | "8526306" | "8599747" | "8599837" | "8634838" | "8774378" | "8819566" | "8848887" | "8862701" | "8885609" | "8903051" | "8903360" | "8909556" | "8938209" | "8938534" | "8948061" | "8972612" | "8982719" | "8995428" | "9003306").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:09
S389	6	("20070217354" | "5917899" | "6005870" | "6597783" | "6873599" | "7010727").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:09
S390	54	("0000029" | "0000030" | "0000031" | "0000032" | "0000033" | "0000034" | "0000035" | "0000036" | "0000037" |	US-PGPUB; USPAT	OR	ON	2017/08/21 13:09

		"0000038" | "0000039" | "0000040" | "0000041" | "20010027478" | "20110255553" | "20110261717" | "20130223276" | "20130237198" | "20130254301" | "20130272297" | "20130281147" | "20140220944" | "20140227962" | "20140244393" | "20140247730" | "20140269624" | "20140324969" | "20140337961" | "20140349602" | "6937713" | "8111690" | "8219115" | "8228837" | "8243730" | "8275404" | "8364172" | "8410907" | "8417791" | "8423791" | "8468196" | "8493931" | "8532075" | "8682919" | "8713098" | "8749610" | "8767717" | "8774721" | "8780703" | "8792374" | "8792905" | "8805345" | "8810392" | "8837360" | "8838539").PN.				
S391	7	("6445694" | "6574328" | "6785266" | "7486664" | "7512117" | "7587036" | "7764777").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:09
S392	141	("20010052081" | "20020002041" | "20020018445" | "20020141352" | "20030012196" | "20030095539" | "20030179747" | "20030219103" | "20040034793" | "20040203565" | "20040203582" | "20050063519" | "20050188081" | "20050190892" | "20050202799" | "20050287979" | "20060007940" | "20060013266" | "20060030290" | "20060078094" | "20060142011" | "20060146797" | "20060189303" | "20060205383" | "20060248186" | "20060251056" | "20060268921" | "20060281437" | "20070047548" | "20070092070" | "20070115935" | "20070121593" | "20070174469" | "20070220038" | "20070253429" | "20070263609" | "20070297376" | "20080013523" | "20080056243" | "20080166999" | "20080167019" | "20080167020" | "20080167039" | "20080187122" | "20080188198" | "20080188227" | "20080205378" | "20080310599" | "20090003535" | "20090129566" | "20090135724" | "20090214000" | "20090268615" | "20090296900" | "20100008345" | "20100039946" | "20100105379" | "20100177671" | "20100246589" | "20100272242" | "20110013541" | "20110153809" | "20110176541" | "20110201321" | "20110267986" | "20120014383" | "20120113981" | "20120195415" | "20120250624" | "20120282881" | "20120314699" | "20130272297" | "20140101749" | "20140211789" | "5325421" | "6553025" | "6560224" | "6650641" | "6775534" | "6934279" | "6963739" | "6985440" | "6993015" | "7006508" | "7027564" | "7068668" | "7151772" | "7177399" | "7277528" |	US-PGPUB; USPAT	OR	ON	2017/08/21 13:10

		"7400881" | "7436835" | "7440442" | "7486667" | "7567131" | "7573982" | "7593390" | "7639792" | "7657011" | "7664495" | "7676215" | "7680114" | "7702308" | "7715821" | "7738384" | "7764944" | "7797459" | "7894441" | "7907551" | "7929955" | "7944909" | "7965645" | "7979529" | "7995589" | "8024785" | "8027333" | "8041022" | "8050273" | "8125982" | "8145182" | "8166533" | "8189568" | "8204044" | "8228897" | "8244204" | "8306063" | "8363647" | "8427981" | "8437340" | "8462915" | "8509225" | "8605714" | "8605869" | "8607323" | "8611354" | "8625578" | "8724643" | "8750290" | "8763081" | "8768951" | "8774171" | "8804705").PN.				
S393	14	("20050198499" | "20100150138" | "20100150328" | "20100172345" | "20110122827" | "20120170574" | "5719926" | "5722067" | "5915093" | "6029062" | "6249573" | "7454200" | "8630234" | "8675566").PN.	US-PGPUB; USPAT	OR	ON	2017/08/21 13:10
S394	137	("20020051518" | "20020116464" | "20020122391" | "20030200311" | "20030219103" | "20040022237" | "20040157629" | "20040165709" | "20040181599" | "20040202295" | "20040240439" | "20040255126" | "20050025043" | "20050083911" | "20050094651" | "20050169248" | "20050174937" | "20050177843" | "20060072547" | "20060072550" | "20060093135" | "20060111116" | "20060153342" | "20060160565" | "20060177035" | "20060209768" | "20060258328" | "20060264200" | "20070036143" | "20070112964" | "20070127676" | "20070253418" | "20080037715" | "20080056235" | "20080056302" | "20080063153" | "20090028146" | "20090135735" | "20090141883" | "20090292539" | "20090325558" | "20100086119" | "20100128729" | "20120099599" | "20120227101" | "20130114589" | "4916491" | "4992971" | "5146491" | "5247571" | "5303297" | "5359642" | "5425085" | "5440621" | "5454030" | "5469497" | "5506893" | "5519769" | "5559871" | "5590133" | "5608786" | "5621787" | "5633913" | "5661790" | "5712907" | "5724355" | "5726984" | "5737414" | "5751961" | "5793762" | "5799072" | "5802502" | "5825863" | "5828740" | "5838682" | "5845267" | "5850433" | "5864610" | "5867495" | "5883891" | "5889774" | "5905736" | "5907547" | "5910946" | "5915005" | "5923659" | "5930343" | "5937045" | "5940598" | "5953504" | "5956391" | "5970477" | "5974043" | "5991291" | "6005926" | "6014379" | "6021126" |	US-PGPUB; USPAT	OR	ON	2017/08/21 13:11

		"6052445" | "6058300" | "6069890" | "6073013" | "6078647" | "6104704" | "6104711" | "6115737" | "6128304" | "6137869" | "6141404" | "6151385" | "6188752" | "6282574" | "6298062" | "6351464" | "6359880" | "6430275" | "6507644" | "6597686" | "6674745" | "6724860" | "6744858" | "6766159" | "6798767" | "6819929" | "6954453" | "6963557" | "7046658" | "7055174" | "7068772" | "7079526" | "7120682" | "7212522" | "7454510" | "7950046" | "8116307" | "8422507" | "8537805" | "8542815").PN.				
S395	513	S382 S383 S384 S385 S386 S387 S388 S389 S390 S391 S392 S393 S394	US-PGPUB; USPAT	OR	ON	2017/08/21 13:11
S396	21	S395 AND ((receiv$3 or accept$3 or obtain$3 or recover$3 or retriev$3 or acquir$3 or acquisition) SAME (respons$3 or respond$3 or react$3 or feed$3back$3 or (feed$3 adj3 back) or behaviour or behavior reply$3 return$3 acknowledgment$1 answer$1) SAME (server$4 webserver$4 gate$1way system$4 proxy$4 computer) SAME (location$4 GPS position$4 origin$4 region$4 site coordinat$4) NEAR5 (ID identification key flag$4 tagg$4 badge$4))	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2017/08/21 13:45
S397	12	S395 AND ((receiv$3 or accept$3 or obtain$3 or recover$3 or retriev$3 or acquir$3 or acquisition) SAME (respons$3 or respond$3 or react$3 or feed$3back$3 or (feed$3 adj3 back) or behaviour or behavior reply$3 return$3 acknowledgment$1 answer$1) SAME (server$4 webserver$4 gate$1way system$4 proxy$4 computer) SAME (location$4 GPS position$4 origin$4 region$4 site coordinat$4) NEAR5 (ID identification key flag$4 tagg$4 badge$4)) AND (@AD < "20080728")	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2017/08/21 13:45
S398	2	(US-20090017842-$ or US-20060109960-$).did.	US-PGPUB	OR	ON	2017/08/21 14:47
S399	2	S398 and (wifi wi$1fi wireless cellular)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/08/21 14:47
S401	11	"9179005"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/29 23:45
S402	2	(US-20090017842-$ or US-20060109960-$).did.	US-PGPUB	OR	ON	2017/11/30 01:18
S403	3	(US-20080056235-$ or US-20090017842-$ or US-20060109960-$).did.	US-PGPUB	OR	ON	2017/11/30 01:19

S404	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/30 01:40
S405	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/30 13:29
S406	3	(US-20080056235-$ or US-20090017842-$ or US-20060109960-$).did.	US-PGPUB	OR	ON	2017/11/30 14:49
S407	1	S406 and (connect$4 join$4 link$4 fasten$4 connector$4 hitch$4) AND (IP internet$4 adj2 protocol$4) NEAR5 address$4	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2017/11/30 14:58
S408	1	S406 and (connect$4 join$4 link$4 fasten$4 connector$4 hitch$4) AND (IP internet$4 adj2 protocol$4) WITH address$4	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2017/11/30 14:59
S409	3	(US-20080056235-$ or US-20090017842-$ or US-20060109960-$).did.	US-PGPUB	OR	ON	2017/11/30 16:04
S410	3	S409 and (connect$4 join$4 link$4 fasten$4 connector$4 hitch$4) WITH (mobile user adj2 equipment UE mobile adj2 device)	US-PGPUB; USPAT; FPRS; EPO; JPO; IBM_TDB	OR	ON	2017/11/30 16:04
S411	1	(US-20080056235-$).did.	US-PGPUB	OR	ON	2018/01/16 14:53
S412	29	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$ or US-20080160953-$ or US-20100004005-$ or US-20090265552-$ or US-20080125146-$ or US-20070156909-$ or US-20080101370-$ or US-20140016635-$ or US-20090017842-$ or US-20060109960-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2018/01/16 14:53
S413	0	S411 and (reply echo packet$4 frame$4 (data adj2 unit) ack acknowlegment$4 feeback$4 feed$1back$4 feed adj2 back$4) WITH (IP NEAR10 address$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 14:54

S414	0	S411 and (reply echo packet$4 frame$4 (data adj2 unit) ack acknowlegment$4 feeback$4 feed$1back$4 feed adj2 back$4 return$4 answer$4) WITH ((internet IP) NEAR10 address$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 14:56
S415	1	S411 and (reply echo packet$4 frame$4 (data adj2 unit) ack acknowlegment$4 feeback$4 feed$1back$4 feed adj2 back$4 return$4 answer$4) SAME ((internet IP) NEAR10 address$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 14:56
S416	11	S412 and (reply echo packet$4 frame$4 (data adj2 unit) ack acknowlegment$4 feeback$4 feed$1back$4 feed adj2 back$4 return$4 answer$4) SAME ((internet IP) NEAR10 address$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 15:33
S417	1	"14035806"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 15:40
S418	29261	((H04W76/021 OR H04W76/025 OR H04W8/02).CPC.)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 15:52
S419	56	S418 AND (IP NEAR5 address) WITH (location$4 gps$4 geographical$4) NEAR5 (ID identification$4 key$4 flag$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 15:55
S420	9	S418 AND (IP NEAR5 address) WITH (location$4 gps$4 geographical$4) NEAR5 (ID identification$4 key$4 flag$4) AND (@AD <"20090728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 15:56
S421	15	S418 AND (IP NEAR5 address) WITH (location$4 gps$4 geographical$4) NEAR5 (ID identification$4 key$4 flag$4) AND ((@ad OR @pd OR @rlad OR @prad OR @ptad)<"20090728")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/16 15:56
S422	29	(US-20070281705-$ or US-20090252159-$ or US-20040042607-$ or US-20070121590-$ or US-20040022237-$ or US-20030114139-$ or US-20030095542-$ or US-20030114145-$ or US-20070112964-$ or US-20060189337-$ or US-20080056235-$ or US-20040205211-$ or US-20020122391-$ or US-20080160953-$ or US-20100004005-$ or US-20090265552-$ or US-20080125146-$ or US-20070156909-$ or US-20080101370-$ or US-	US-PGPUB; USPAT; DERWENT	OR	ON	2018/01/24 19:29

		20140016635-$ or US-20090017842-$ or US-20060109960-$).did. or (US-7068684-$ or US-6963635-$ or US-7079526-$ or US-6016319-$ or US-6674745-$ or US-5454030-$).did. or (WO-2010012090-$).did.				
S423	0	S422 and (replay$4 echo adj2 back$4) WITH(ip near5 address$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/24 19:30
S424	0	S422 and (replay$4 echo adj2 back$4) WITH (ip near5 address$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/24 19:30
S425	14	S422 and (ip near5 address$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/24 19:30
S426	5	S422 and (ip near5 address$4) and (SMS)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/24 19:39
S427	5	"13056277"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/01/25 13:28

6/27/2018 11:18:32 PM
C:\Users\mrahman6\Documents\EAST\Workspaces\14035806_10098_MOBILE GATEWAY_DigifonicaInternational.wsp

PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	14/035,806
	Filing Date	September 24, 2013
	First Named Inventor	Björsell, Johan Emil Viktor
	Art Unit	2411
(Multiple sheets used when necessary)	Examiner	Rahman, M. Mostazir
SHEET 1 OF 1	Attorney Docket No.	DIGIF.004C1

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number *Number - Kind Code (if known)* Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document *Country Code-Number-Kind Code* Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T[1]

NON PATENT LITERATURE DOCUMENTS			
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, page(s), volume-issue number(s), publisher, city and/or country where published.	T[1]
	1	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case IPR2016-01198, Patent 9,179,005 B2; **FINAL WRITTEN DECISION**; Paper 53, Entered: November 20, 2017; 29 pages.	
	2	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case IPR2016-01201, Patent 8,542,815 B2; **FINAL WRITTEN DECISION**; Paper 54, Entered: November 20, 2017; 29 pages.	
	3	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case IPR2017-01399, Patent 8,542,815 B2; **DECISION: Denying Institution of *Inter Partes* Review**; Paper No. 6, Entered: November 20, 2017; 23 pages.	
	4	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case IPR2017-01398, Patent 9,179,005 B2; **DECISION: Denying Institution of *Inter Partes* Review**; Paper No. 6, Entered: November 20, 2017; 23 pages.	
	5	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **AT&T SERVICES, INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case IPR2017-01382, Patent 8,542,815 B2; **DECISION: Denying Institution of *Inter Partes* Review**; Paper No. 8, Entered: November 20, 2017; 28 pages.	
	6	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **AT&T SERVICES, INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case IPR2017-01383, Patent 9,179,005 B2; **DECISION: Denying Institution of *Inter Partes* Review**; Paper No. 8, Entered: November 20, 2017; 43 pages.	
	7	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **AT&T SERVICES, INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case IPR2017-01384, Patent 9,179,005 B2; **DECISION: Denying Institution of *Inter Partes* Review**; Paper No. 8, Entered: November 20, 2017; 31 pages.	

27119292

Examiner Signature	/M Mostazir Rahman/	Date Considered	06/27/2018

***Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T[1] - Place a check mark in this area when an English language Translation is attached.

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

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	14035806	BJÖRSELL ET AL.
	Examiner	Art Unit
	M MOSTAZIR RAHMAN	2411

CPC- SEARCHED		
Symbol	Date	Examiner
H04W76/021 OR H04W76/025 OR H04W8/02	11/29/2015	MR

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
EAST Search: 1)keyword search in USPAT, US-PGPUB, DERWENT, EPO, JPO, IBM_TDB;	11/29/2015	MR
class/subclasses with keyword, inventors, assignee	11/29/2015	MR
Inventor and assignee search in EAST, eDAN and PALM.	11/29/2015	MR
NPL Search: IP.COM	11/29/2015	MR
Updated search	10/16/2016	MR
Consulted with SPE, Andrew Lai	10/18/2016	MR
Updated search	11/15/2016	MR
Updated search	08/21/2017	MR
Updated search	06/27/2018	MR
Updated search	08/07/2018	MR

INTERFERENCE SEARCH

/M MOSTAZIR RAHMAN/ Examiner.Art Unit 2411	

US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
Please see search report		11/29/2015	MR

/M MOSTAZIR RAHMAN/ Examiner.Art Unit 2411	

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✓	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	11/25/2015	10/16/2016	08/21/2017	08/03/2018					
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	106	✓	✓	✓	✓					
	107	✓	✓	✓	✓					
	108	✓	✓	✓	✓					

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	139				✓					
	140				✓					
	141				✓					

PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	14/035,806
	Filing Date	September 24, 2013
	First Named Inventor	Björsell, Johan Emil Viktor
	Art Unit	2411
(Multiple sheets used when necessary)	Examiner	Rahman, M. Mostazir
SHEET 1 OF 7	Attorney Docket No.	DIGIF.004C1

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NON PATENT LITERATURE DOCUMENTS			
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, page(s), volume-issue number(s), publisher, city and/or country where published.	T[1]
	1	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Cases IPR2016-01198 *and* IPR2016-01201, Patents 9,179,005 B2 *and* 8,542,815 B2; **ORDER, Conduct of Proceeding, *37 C.F.R. § 42.5;*** Paper No. 54, Entered: December 20, 2017; 4 pages.	
	2	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01201, Patent 8,542,815; **PETITIONER'S MOTION FOR ENTRY OF JUDGMENT IN FAVOR OF PETITIONER etc**; Paper 55, Date: December 20, 2017; 18 pages.	
	3	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01201, Patent 8,542,815; **PETITIONER'S UPDATED EXHIBIT LIST**; Date: December 22, 2017; 4 pages.	
	4	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01201, Patent 8,542,815; **Apple EXHIBIT 1019 – September 18, 2017 VOIP-PAL WEBSITE advertising Dr. Sawyer's Letters**; Date: December 20, 2017; 1 page.	
	5	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01201, Patent 8,542,815; **Apple EXHIBIT 1020 – September 2017 VOIP-PAL WEBSITE posting and linking all of Dr. Sawyer's Letters**; Date: December 20, 2017; 2 pages.	
	6	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, vs. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01198, Patent 9,179,005 B2 *and* Case No. IPR2016-01201, Patent 8,542,815 B2; IPR2016-01201 **Apple EXHIBIT 1021 – TELEPHONIC HEARING BEFORE THE ADMINISTRATIVE PATENT JUDGES:** December 19, 2017; 25 pages.	
	7	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01198, Patent 9,179,005; **PETITIONER'S MOTION FOR ENTRY OF JUDGMENT IN FAVOR OF PETITIONER etc**; Date: December 20, 2017; 18 pages.	

Examiner Signature	Date Considered
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PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	14/035,806
	Filing Date	September 24, 2013
	First Named Inventor	Björsell, Johan Emil Viktor
	Art Unit	2411
(Multiple sheets used when necessary)	Examiner	Rahman, M. Mostazir
SHEET 2 OF 7	Attorney Docket No.	DIGIF.004C1

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	8	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01198, Patent 9,179,005; **PETITIONER'S UPDATED EXHIBIT LIST**; Date: December 22, 2017; 4 pages.	
	9	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case IPR2016-01198, Patent 9,179,005 B2; **Apple EXHIBIT 1019 – September 18, 2017 VOIP-PAL WEBSITE advertising Dr. Sawyer's Letters;** Date: December 20, 2017; 1 page.	
	10	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case IPR2016-01198, Patent 9,179,005 B2; **Apple EXHIBIT 1020 – September 2017 VOIP-PAL WEBSITE posting and linking all of Dr. Sawyer's Letters**; Date: December 20, 2017; 2 pages.	
	11	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, vs. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01198, Patent 9,179,005 B2 *and* Case No. IPR2016-01201, Patent 8,542,815 B2; IPR2016-01198 **Apple EXHIBIT 1021 – TELEPHONIC HEARING BEFORE THE ADMINISTRATIVE PATENT JUDGES:** December 19, 2017; 25 pages.	
	12	**EXHIBIT 3001** filed December 20, 2017 - Letter from Ryan L. Thomas dated December 19, 2017 re Representation of VoIP-Pal.com, Inc. in Conference Call to the Administrative Patent Judges in re IPR2016-01198 and IPR-2016-01201; 1 page.	
	13	**EXHIBIT 3002** filed December 20, 2017 - Email from Attorney Adam Seitz dated December 15, 2017 to the Administrative Patent Judges in re IPR2016-01198 and IPR-2016-01201 re **AUTHORIZATION TO FILE MOTION FOR SANCTIONS**; 1 page.	
	14	**EXHIBIT 3003** filed December 20, 2017 - Letter from Dr. Thomas E. Sawyer (Shareholder) dated May 1, 2017 to PTAB Chief Judge David P. Ruschke in re IPR2016-01198 and IPR-2016-01201 re **REVIEW OF PROCEEDINGS**, 6 pages.	
	15	**EXHIBIT 3004** filed December 20, 2017 - Letter from Dr. Thomas E. Sawyer (Shareholder) dated June 21, 2017 to PTAB Chief Judge David P. Ruschke in re IPR2016-01198 and IPR-2016-01201 re **REVIEW OF PROCEEDINGS**, 3 pages.	
	16	**EXHIBIT 3005** filed December 20, 2017 - Letter from Dr. Thomas E. Sawyer (Shareholder) dated July 11, 2017 to PTAB Chief Judge David P. Ruschke in re IPR2016-01198 and IPR-2016-01201 re **REVIEW OF PROCEEDINGS**, 5 pages.	
	17	**EXHIBIT 3006** filed December 20, 2017 - Letter from Dr. Thomas E. Sawyer (Shareholder) dated July 27, 2017 to the Secretary of the Department of Commerce Hon. Wilbur Ross et al. in re IPR2016-01198 and IPR-2016-01201 re **REVIEW OF PROCEEDINGS**, 6 pages.	
	18	**EXHIBIT 3007** filed December 20, 2017 - Letter from Dr. Thomas E. Sawyer (Shareholder) dated August 31, 2017 to the Secretary of the Department of Commerce Hon. Wilbur Ross in re IPR2016-01198 and IPR-2016-01201 re **REVIEW OF PROCEEDINGS**, 8 pages.	
	19	**EXHIBIT 3008** filed December 20, 2017 - Letter from Dr. Thomas E. Sawyer (Shareholder) dated October 23, 2017 to the PTAB Chief Judge David P. Ruschke et al. in re IPR2016-01198 and IPR-2016-01201 re **REVIEW OF PROCEEDINGS**, 10 pages.	

Examiner Signature	/M Mostazir Rahman/	Date Considered	06/27/2018

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	21	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01198, U.S. Patent 9,179,005; **PATENT OWNER'S UPDATED EXHIBIT LIST**; Filed: January 12, 2018; 9 pages.	
	22	**Voip-Pal EXHIBIT 2056, IPR2016-01198;** UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01198, U.S. Patent 9,179,005; **DECLARATION IN SUPPORT OF PATENT OWNER'S OPPOSITION TO MOTION FOR SANCTIONS;** Dated: January 12, 2018; 12 pages.	
	23	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01201, U.S. Patent 8,542,815; **PATENT OWNER'S OPPOSITION TO APPLE'S MOTION FOR SANCTIONS PURSUANT TO BOARD ORDER OF DECEMBER 20, 2017**; Filed: January 12, 2018; 17 pages.	
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	First Named Inventor	Björsell, Johan Emil Viktor
	Art Unit	2411
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	78	UNITED STATES PATENT AND TRADEMARK OFFICE; BEFORE THE PATENT TRIAL AND APPEAL BOARD; **APPLE INC.**, Petitioner, v. **VOIP-PAL.COM, INC.**, Patent Owner; Case No. IPR2016-01198, Patent 9,179,005; **PETITIONER'S UPDATED EXHIBIT LIST,** Date: January 26, 2018, 4 pages.	
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14035806	CTNF	08/24/2018	4278-004.PCT.US.CON1
	892	08/24/2018	4278-004.PCT.US.CON1
	1449	08/24/2018	4278-004.PCT.US.CON1
	1449	08/24/2018	4278-004.PCT.US.CON1
	1449	08/24/2018	4278-004.PCT.US.CON1
	1449	08/24/2018	4278-004.PCT.US.CON1
	1449	08/24/2018	4278-004.PCT.US.CON1

To view your correspondence online or update your email addresses, please visit us anytime at https://sportal.uspto.gov/secure/myportal/privatepair.

If you have any questions, please email the Electronic Business Center (EBC) at EBC@uspto.gov with 'e-Office Action' on the subject line or call 1-866-217-9197 during the following hours:

Monday - Friday 6:00 a.m. to 12:00 a.m.

Thank you for prompt attention to this notice,

UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION INFORMATION RETRIEVAL SYSTEM

To: patentdocket@tnw.com,rich@tnw.com,annette.fields@tnw.com
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 20551

Aug 24, 2018 04:51:34 AM

Dear PAIR Customer:

THORPE NORTH & WESTERN, LLP.
P.O. Box 1219
SANDY, UT 84091-1219
UNITED STATES

The following USPTO patent application(s) associated with your Customer Number, 20551 , have new outgoing correspondence. This correspondence is now available for viewing in Private PAIR.

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	1449	08/24/2018	4278-004.PCT.US.CON1
	1449	08/24/2018	4278-004.PCT.US.CON1
	1449	08/24/2018	4278-004.PCT.US.CON1
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USPTO Automated Interview Request (AIR)

Dec 10 2018

This paper requesting to schedule and/or conduct an interview is appropriate because:

This submission is requested to be accepted as an authorization for this interview to communicate via the internet. Recognizing that Internet communications are not secure, I hereby authorize the USPTO to communicate with the undersigned concerning scheduling of the interview via video conference, instant messaging, or electronic mail, and to conduct the interview in accordance with office practice including video conferencing.

Name(s):
Sean Parmenter

S-signature:
/Sean Parmenter/

Registration Number:
53437

U.S. Application Number:
14035806

Confirmation Number:
5562

E-mail Address:
sean.parmenter@tnw.com

Phone Number:
8017481904

Proposed Time of Interview:
12-18-2018 1:00 PM ET

Alternative Proposed Time(s) of Interview:
12-19-2018 3:00 PM ET

Prefered Interview Type:
Telephonic

I am the applicant or applicant's representative for this application.

Topic for Discussion:
103 rejections to independent claims and proposed amendments. Please include SPE Andrew Lai or current supervisor with decision authority for interview.

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META 1002
META V. VOIP-PAL

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.
14/035,806	09/24/2013	Johan Emil Viktor Björsell	4278-004.PCT.US.CON1	5562

20551 7590 12/27/2018

THORPE NORTH & WESTERN, LLP.
P.O. Box 1219
SANDY, UT 84091-1219

EXAMINER	
RAHMAN, M MOSTAZIR	

ART UNIT	PAPER NUMBER
2411	

NOTIFICATION DATE	DELIVERY MODE
12/27/2018	ELECTRONIC

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 the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@tnw.com
warren.archibald@tnw.com

PTOL-90A (Rev. 04/07)

Applicant-Initiated Interview Summary	**Application No.** 14/035,806	**Applicant(s)** Björsell et al.	
	Examiner M MOSTAZIR RAHMAN	**Art Unit** 2411	**AIA Status** No

All participants (applicant, applicants representative, PTO personnel):

(1) M MOSTAZIR RAHMAN.

(2) ANDREW LAI (SPE).

(3) SEAN PARMENTER (REG # 53,437).

(4) DAVID GILEFF (REG # 56,494).

Date of Interview: 18 December 2018.

Type: ☑ Telephonic ☐ Video Conference
☐ Personal [copy given to: ☐ applicant ☐ applicant's representative]

Exhibit shown or demonstration conducted: ☐ Yes ☑ No.
If Yes, brief description: _____.

Issues Discussed ☐101 ☐112 ☐102 ☑103 ☐Others
(For each of the checked box(es) above, please describe below the issue and detailed description of the discussion)

Claim(s) discussed: 38 and 51.

Identification of prior art discussed: Boda et al. (US 20030114145 A1).

Substance of Interview
(For each issue discussed, provide a detailed description and indicate if agreement was reached. Some topics may include: identification or clarification of a reference or a portion thereof, claim interpretation, proposed amendments, arguments of any applied references etc...)

The Applicant's Representatives went over the overview of the invention. The Applicant's Representatives explained how invention is different from citied prior art, Boda et al. (US 20030114145 A1). The examiner explained his interpretation of the claim limitations and how prior Boda covers the citied part of the claims. The Supervisor recommended the Applicant's Representatives few amendments. No agreement was reached for allowability of the application..

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

☐ Attachment

/M Mostazir Rahman/ Examiner, Art Unit 2411	/ANDREW LAI/ Supervisory Patent Examiner, Art Unit 2411

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record
A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) 1.133 Interviews
Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.
All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiners responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicants correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:
- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:
1) A brief description of the nature of any exhibit shown or any demonstration conducted,-
2) an identification of the claims discussed,
3) an identification of the specific prior art discussed,
4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
6) a general indication of any other pertinent matters discussed, and
7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicants record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiners version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, Interview Record OK on the paper recording the substance of the interview along with the date and the examiners initials.

To: patentdocket@tnw.com,warren.archibald@tnw.com,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 20551

Dec 27, 2018 04:23:01 AM

Dear PAIR Customer:

THORPE NORTH & WESTERN, LLP.
P.O. Box 1219
SANDY, UT 84091-1219
UNITED STATES

The following USPTO patent application(s) associated with your Customer Number, 20551 , have new outgoing correspondence. This correspondence is now available for viewing in Private PAIR.

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Application	Document	Mailroom Date	Attorney Docket No.
14035806	INTV.SUM.APP	12/27/2018	4278-004.PCT.US.CON1

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Thank you for prompt attention to this notice,

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THORPE ◦ NORTH
◦ WESTERN ◦

P 801.566.6633
F 801.566.0750

8180 S 700 E, STE 350
SANDY, UT 84070

175 S MAIN ST, STE 900
SALT LAKE CITY, UT 84111

February 26, 2019

Attn: Refund Branch

Mail Stop 16
Director of the USPTO
P. O. Box 1450
Alexandria, VA 22313-1450

Re: Request for Refund
Application No: 14/035,806
Title: **MOBILE GATEWAY**
TNW Ref. No.: 4278-004.PCT.US.CON1

Dear Sirs:

We respectfully request refund of an over-charge of fees paid via EFS-Web by credit card on **February 22, 2019**. A copy of the Electronic Patent Application Fee Transmittal and the Electronic Acknowledgement Receipt is enclosed.

The fees paid were for the following:

> $1,400.00 for a Extension - 3 months with $0 paid for large entity (Fee Code 1253), but should have been $700.00 for a Extension - 3 months with $0 paid for a small entity (Fee Code 2253).

A copy of the application data sheet for this application is enclosed which denotes the small entity status for this application.

Any questions may be directed to the undersigned.

Sincerely yours,

THORPE NORTH & WESTERN, LLP

/Sean F. Parmenter/

Sean F. Parmenter
Registration No. 66,130

THORPE NORTH & WESTERN, LLP
Customer No. 20,551
P.O. Box 1219
Sandy, Utah 84091-1219

Telephone: (801) 566-6633

SE/jm

PTO/SB/14 (11-08)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	SMARB19.004C1
	Application Number	
Title of Invention	MOBILE GATEWAY	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Applicant Information:

Applicant 1

Applicant Authority	◉ Inventor	○ Legal Representative under 35 U.S.C. 117	○ Party of Interest under 35 U.S.C. 118

Prefix	Given Name	Middle Name	Family Name	Suffix
	Johan	Emil Viktor	Björsell	

Residence Information (Select One) ○ US Residency ◉ Non US Residency ○ Active US Military Service

City	Vancouver	Country Of Residence	CA
Citizenship under 37 CFR 1.41(b)	SE		

Mailing Address of Applicant:

Address 1	P.O. Box 29164		
Address 2	RPO South Granville Post		
City	Vancouver	State/Province	BC
Postal Code	V6J 0A6	Country	CA

Applicant 2

Applicant Authority	◉ Inventor	○ Legal Representative under 35 U.S.C. 117	○ Party of Interest under 35 U.S.C. 118

Prefix	Given Name	Middle Name	Family Name	Suffix
	Maksym		Sobolyev	

Residence Information (Select One) ○ US Residency ◉ Non US Residency ○ Active US Military Service

City	New Westminster	Country Of Residence	CA
Citizenship under 37 CFR 1.41(b)	UA		

Mailing Address of Applicant:

Address 1	506-210 Eleventh Street		
Address 2			
City	New Westminster	State/Province	BC
Postal Code	V3M 4C9	Country	CA

Applicant 3

Applicant Authority	◉ Inventor	○ Legal Representative under 35 U.S.C. 117	○ Party of Interest under 35 U.S.C. 118

Prefix	Given Name	Middle Name	Family Name	Suffix
	Pentti	Kalevi	Huttunen	

Residence Information (Select One) ○ US Residency ◉ Non US Residency ○ Active US Military Service

City	Vancouver	Country Of Residence	CA

PTO/SB/14 (11-08)
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	SMARB19.004C1
	Application Number	
Title of Invention	MOBILE GATEWAY	

Citizenship under 37 CFR 1.41(b)	CA			
Mailing Address of Applicant:				
Address 1	76-3180 East 58th Avenue			
Address 2				
City	Vancouver	**State/Province**	BC	
Postal Code	V5S 3S8	**Country**	CA	

Applicant 4

Applicant Authority	(•) Inventor	( ) Legal Representative under 35 U.S.C. 117	( ) Party of Interest under 35 U.S.C. 118	
Prefix	**Given Name**	**Middle Name**	**Family Name**	**Suffix**
	Emil		Malak	

Residence Information (Select One)	( ) US Residency	(•) Non US Residency	( ) Active US Military Service	
City	Vancouver	**Country Of Residence**	CA	
Citizenship under 37 CFR 1.41(b)	CA			
Mailing Address of Applicant:				
Address 1	1005-1288 Alberni Street			
Address 2				
City	Vancouver	**State/Province**	BC	
Postal Code	V6E 4N5	**Country**	CA	

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. [Add]

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ **An Address is being provided for the correspondence Information of this application.**

Customer Number	20995		
Email Address	efiling@knobbe.com	[Add Email]	[Remove Email]

Application Information:

Title of the Invention	MOBILE GATEWAY		
Attorney Docket Number	SMARB19.004C1	**Small Entity Status Claimed**	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Suggested Class (if any)		**Sub Class (if any)**	
Suggested Technology Center (if any)			
Total Number of Drawing Sheets (if any)	17	**Suggested Figure for Publication (if any)**	

EFS Web 2.2.3

PTO/SB/14 (11-08)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	SMARB19.004C1
	Application Number	
Title of Invention	MOBILE GATEWAY	

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)
☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S. C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32).
Enter either Customer Number or complete the Representative Name section below. If both sections are completed the Customer Number will be used for the Representative Information during processing.

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	20995		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78(a)(2) or CFR 1.78(a)(4), and need not otherwise be made part of the specification.

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Continuation of	13/056277	2011-01-27
Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
13/056277	a 371 of international	PCT/CA2009/001062	2009-07-28
Prior Application Status	Expired		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
PCT/CA2009/001062	non provisional of	61/129898	2008-07-28

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.

Foreign Priority Information:

This section allows for the applicant to claim benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(a).

			Remove
Application Number	Country[1]	Parent Filing Date (YYYY-MM-DD)	Priority Claimed
			◉ Yes ○ No

EFS Web 2.2.3

PTO/SB/14 (11-08)
Approved for use through 01/31/2014. OMB 0651-0032
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	SMARB19.004C1
	Application Number	
Title of Invention	MOBILE GATEWAY	

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

Assignee Information:

Providing this information in the application data sheet does not substitute for compliance with any requirement of part 3 of Title 37 of the CFR to have an assignment recorded in the Office.

Assignee 1

If the Assignee is an Organization check here. ☒

Organization Name	Digifonica (International) Limited		
Mailing Address Information:			
Address 1	773 Hornby Street		
Address 2			
City	Vancouver	**State/Province**	BC
Country	CA	Postal Code	V6Z 1S4
Phone Number		Fax Number	
Email Address			

Additional Assignee Data may be generated within this form by selecting the **Add** button.

Signature:

A signature of the applicant or representative is required in accordance with 37 CFR 1.33 and 10.18. Please see 37 CFR 1.4(d) for the form of the signature.

Signature				Date (YYYY-MM-DD)	2013-09-24
First Name	John	Last Name	Carson	Registration Number	34303

This collection of information is required by 37 CFR 1.76. 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 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet 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.**

Electronic Patent Application Fee Transmittal

Application Number:	14035806
Filing Date:	24-Sep-2013
Title of Invention:	MOBILE GATEWAY
First Named Inventor/Applicant Name:	Johan Emil Viktor Björsell
Filer:	Sean Franklin Parmenter/Jenny Morison
Attorney Docket Number:	4278-004.PCT.US.CON1

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension - 3 months with $0 paid	1253	1	1400	1400
Miscellaneous:				
			Total in USD ($)	**1400**

Electronic Acknowledgement Receipt

EFS ID:	35231866
Application Number:	14035806
International Application Number:	
Confirmation Number:	5562
Title of Invention:	MOBILE GATEWAY
First Named Inventor/Applicant Name:	Johan Emil Viktor Björsell
Customer Number:	20551
Filer:	Sean Franklin Parmenter/Jenny Morison
Filer Authorized By:	Sean Franklin Parmenter
Attorney Docket Number:	4278-004.PCT.US.CON1
Receipt Date:	22-FEB-2019
Filing Date:	24-SEP-2013
Time Stamp:	23:02:42
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$1400
RAM confirmation Number	022519INTEFSW23032500
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		OAResponse.pdf	467702 fc9d2e20f0c302adb5f305c4a221d85904ae40f3	yes	43

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1
	Claims	2	26
	Applicant summary of interview with examiner	27	27
	Applicant Arguments/Remarks Made in an Amendment	28	43

Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30830 ba46db26a457bd96a601091d780cdd49df37a30c	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	498532		

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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

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Electronic Acknowledgement Receipt

EFS ID:	35259940
Application Number:	14035806
International Application Number:	
Confirmation Number:	5562
Title of Invention:	MOBILE GATEWAY
First Named Inventor/Applicant Name:	Johan Emil Viktor Björsell
Customer Number:	20551
Filer:	Sean Franklin Parmenter/Jenny Morison
Filer Authorized By:	Sean Franklin Parmenter
Attorney Docket Number:	4278-004.PCT.US.CON1
Receipt Date:	26-FEB-2019
Filing Date:	24-SEP-2013
Time Stamp:	18:16:48
Application Type:	Utility under 35 USC 111(a)

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	Refund Request	RefundReq.pdf	178149 c9d7724585309cdbc10400cddecf52eb42e26f9f	no	2
Warnings:					

Information:					
2	Miscellaneous Incoming Letter	ADS.pdf	238102 26f0a70673686f118506b5b833cd60471496e3aa	no	4
Warnings:					
Information:					
3	Miscellaneous Incoming Letter	ElectronicPatentApplicationFeeTransmittal.pdf	30685 a1c93b6935a90417667d00ff1c00c0c4b29ef8c1	no	2
Warnings:					
Information:					
4	Miscellaneous Incoming Letter	ElectronicAcknowledgementReceipt.pdf	58324 200d2eef72bb399060e15adf629cf20147471401	no	3
Warnings:					
The PDF file has been signed with a digital signature and the legal effect of the document will be based on the contents of the file not the digital signature.					
Information:					
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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

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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

ART UNIT: 2411 EXAMINER: M. Mostazir Rahman FIRST NAMED INVENTOR: Johan Emil Viktor Björsell SERIAL NO.: 14/035,806 FILED: 9/24/2013 CONF. NO.: 5562 FOR: MOBILE GATEWAY DOCKET NO.: 4278-004.PCT.US.CON1	**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8** DATE OF DEPOSIT: February 22, 2019 I hereby certify that this paper or fee (along with any paper or fee referred to as being attached or enclosed) is being submitted on the date indicated above via: ☒ EFS Web ☐ facsimile to _____ ☐ the United States Postal Service with sufficient postage as first class mail addressed to: Mail Stop _____, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. /Sean F. Parmenter/ Sean F. Parmenter

THORPE NORTH & WESTERN, LLP
Customer No. 20,551
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Sandy, Utah 84091-1219

AMENDMENT / RESPONSE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In reply to the non-final Office Action dated August 24, 2018, Applicant presents the following amendments and remarks.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Summary of Interview begins on page 27 of this paper.

Remarks begin on page 28 of this paper

META 1002
META V. VOIP-PAL

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method of establishing communications between a wireless device and a destination node of a communications network, the method comprising:

receiving from a user of the wireless device a destination node identifier associated with the destination node;

transmitting an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device;

receiving an access code reply message from the access server in response to the access code request message, the access code reply message including an access code based on the location identifier in the access code request message, the access code identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, the access code being distinct from the destination node identifier; and

~~establishing communications between~~ in response to receiving the access code reply message, causing the wireless device to use the access code received in the access code reply message to initiate communications from the wireless device to [[and]]the destination node through the channel identified by the access code, wherein the access code is based on the location identifier transmitted in the access code request message and enables the communications to be established from the wireless device to the destination node through the channel on the gateway identified by the access code.

2. (Original) The method of claim 1, wherein transmitting comprises transmitting the access code request message to the access server on a non-voice network.

3. (Original) The method of claim 1, wherein transmitting comprises transmitting the access code request message as a Short Messaging Service (SMS) message.

4. (Original) The method of claim 1, wherein transmitting comprises transmitting the access code request message on a voice network.

5. (Original) The method of claim 4, wherein transmitting the access code request message on a voice network comprises transmitting the access code request message as a Short Messaging Service (SMS) message.

6. (Original) The method of claim 1, wherein the location identifier comprises an Internet Protocol (IP) address of the wireless device in a wireless Internet Protocol (IP) network.

7. (Original) The method of claim 1, wherein the location identifier comprises an identifier of a wireless voice signal station in wireless communication with the wireless device.

8. (Original) The method of claim 1, wherein the location identifier comprises a user-configured identifier of a location associated with the wireless device.

9. (Original) The method of claim 1, wherein receiving the access code reply message comprises receiving the access code reply message from the access server on a non-voice network.

10. (Original) The method of claim 1, wherein receiving the access code reply message comprises receiving the access code reply message as a Short Messaging Service (SMS) message.

11. (Original) The method of claim 1, wherein receiving comprises receiving the access code reply message on a voice network.

12. (Original) The method of claim 11, wherein receiving the access code reply message on a voice network comprises receiving the access code reply message as a Short Messaging Service (SMS) message.

13. (Original) The method of claim 1, wherein receiving the access code reply message comprises receiving, in the access code reply message, an access code temporarily associated with the destination node identifier.

14. (Original) The method of claim 1, wherein receiving the access code reply message comprises receiving, in the access code reply message, a telephone number or an Internet Protocol (IP) address.

15. (Original) The method of claim 14, wherein establishing communications between the wireless device and the destination node comprises engaging a routing controller to route the call on a public switched telephone network (PSTN) or an IP network to the destination node.

16. (Original) The method of claim 1 further comprising:

receiving at the access server, the access code request message from the wireless device;

causing the access server to communicate with a routing controller to obtain from the routing controller the access code, wherein the access code identifies a communications channel associated with the location identifier and wherein the access code is useable by the wireless device in a subsequent communication to cause the routing controller to establish a call to the destination node using the communications channel; and

causing the access server to transmit the access code reply message to the wireless device.

17. (Original) The method of claim 16, wherein transmitting the access code reply message comprises transmitting the access code reply message as a Short Messaging Service (SMS) message.

18. (Original) The method of claim 16, wherein transmitting the access code reply message comprises transmitting the access code reply message on a voice network.

19. (Original) The method of claim 18, wherein transmitting the access code reply message on a voice network comprises transmitting the access code request message as a Short Messaging Service (SMS) message.

20. (Currently amended) A wireless apparatus comprising:

means for receiving from a user of the wireless apparatus a destination node identifier associated with a destination node with which the user wishes to communicate;

means for transmitting an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless apparatus;

means for receiving an access code reply message from the access server in response to the access code request message, the access code reply message including an access code based on the location identifier in the access code request message, the access code identifying a communications channel on a gateway through which communications between the wireless apparatus and the destination node can be conducted, the access code being distinct from the destination node identifier; and

means for ~~establishing communications between~~causing the wireless apparatus to establish communications [[and]]with the destination node through the communications channel identified by the access code in the access code reply message, the access code being based on the location identifier transmitted in the access code request message.

21. (Previously presented) The apparatus of claim 20, wherein the means for transmitting comprises a non-voice network interface for transmitting the access code request message to the access server on a non-voice network.

22. (Original) The apparatus of claim 20, wherein the means for transmitting includes means for transmitting the access code request message as a Short Messaging Service (SMS) message.

23. (Original) The apparatus of claim 20, wherein the means for transmitting comprises means for transmitting the access code request message on a voice network.

24. (Original) The apparatus of claim 23, wherein the means for transmitting the access code request message on a voice network comprises means for transmitting the access code request message as a Short Messaging Service (SMS) message.

25. (Original) The apparatus of claim 20, wherein the location identifier comprises an Internet Protocol (IP) address of the wireless apparatus in a wireless IP network.

26. (Original) The apparatus of claim 20, wherein the location identifier comprises an identifier of a wireless voice signal station in wireless communication with the wireless apparatus.

27. (Original) The apparatus of claim 20, wherein the location identifier comprises a user-configured identifier of a location associated with the wireless apparatus.

28. (Original) The apparatus of claim 20, wherein the means for receiving an access code reply message comprises a non-voice network interface for receiving the access code reply message on a non-voice network.

29. (Original) The apparatus of claim 20, wherein the means for receiving the access code request message comprises means for receiving the access code request message as a Short Messaging Service (SMS) message.

30. (Original) The apparatus of claim 20, wherein the means for receiving comprises means for receiving the access code request message on a voice network.

31. (Original) The apparatus of claim 30, wherein the means for receiving the access code request message on a voice network comprises means for receiving the access code request message as a Short Messaging Service (SMS) message.

32. (Original) The apparatus of claim 20, wherein the access code includes a telephone number or an IP address.

33. (Original) The wireless apparatus of claim 20, wherein the means for establishing communications comprises a mobile telephone network interface.

34. (Previously presented) A system for enabling roaming by a wireless apparatus, the system comprising the wireless apparatus of claim 20 and further comprising:

a routing controller;

the access server, wherein the access server comprises:

means for receiving from the wireless apparatus the access code request message;

means for communicating with the routing controller to obtain from the routing controller the access code wherein the access code identifies a communications channel associated with the location identifier and wherein the access code is useable by the wireless apparatus to cause the routing controller to establish a call to the destination node using the communications channel; and

means for transmitting the access code reply message including the access code to the wireless apparatus.

35. (Original) The system of claim 34, wherein the means for transmitting the access code reply message comprises means for transmitting the access code reply message as a Short Messaging Service (SMS) message.

36. (Original) The system of claim 34, wherein the means for transmitting the access code reply message comprises means for transmitting the access code reply message on a voice network.

37. (Original) The system of claim 36, wherein the means for transmitting the access code reply message on a voice network comprises means for transmitting the access code request message as a Short Messaging Service (SMS) message.

38. (Currently amended) A wireless apparatus comprising:

a processor circuit comprising at least one processor;

a network interface in communication with the processor circuit; and

a non-transitory computer readable medium having computer executable codes stored thereon for directing the processor circuit to ~~cooperate with the network interface to~~:

receive from a user of the wireless apparatus a destination node identifier associated with a destination node with which the user wishes to communicate;

transmit an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless apparatus;

receive an access code reply message from the access server in response to the access code request message, the access code reply message including an access code based on the location identifier in the access code request message, the access code identifying a communications channel on a gateway through which communications between the wireless apparatus and the destination node can be conducted, the access code being distinct from the destination node identifier; and

initiate communications from the wireless apparatus, via the network interface, using the access code based on the location identifier, to establish communications between the wireless apparatus and the destination node through the communications channel identified by the access code.

39. (Original) The apparatus of claim 38, wherein the network interface comprises a non-voice network interface, and wherein the codes for directing the processor circuit to cause the access code request message to be transmitted include codes for directing the processor circuit to cause the access code request message to be transmitted to the access server using the non-voice network interface on a non-voice network.

40. (Original) The apparatus of claim 38, wherein the codes for directing the processor circuit to cause an access code to be transmitted to the access code server include codes for directing the processor circuit to cause the access code request message to be transmitted as a Short Messaging Service (SMS) message.

41. (Original) The apparatus of claim 38, wherein the network interface comprises a voice network interface and wherein the codes for directing the processor circuit to cause an access code to be transmitted to the access code server include codes for directing the processor circuit to cause the access code request message to be transmitted on a voice network.

42. (Original) The apparatus of claim 41, wherein the codes for directing the processor circuit to cause an access code to be transmitted to the access code server include codes for directing the processor circuit to cause the access code request message to be transmitted as a Short Messaging Service (SMS) message on the voice network.

43. (Original) The wireless apparatus of claim 38, wherein the location identifier comprises an Internet Protocol (IP) address of the wireless apparatus in a wireless IP network.

44. (Original) The wireless apparatus of claim 38, wherein the location identifier comprises an identifier of a wireless voice signal station in wireless communication with the wireless apparatus.

45. (Original) The wireless apparatus of claim 38, wherein the location identifier comprises a user-configured identifier of a location associated with the wireless apparatus.

46. (Original) The wireless apparatus of claim 38, wherein the network interface comprises a non-voice network interface, and wherein the codes for directing the processor circuit to receive an access code reply message include codes for directing the processor circuit to cause the access code reply message to be received from the access server using the non-voice network interface on a non-voice network.

47. (Original) The wireless apparatus of claim 38, wherein the access code includes a telephone number or an IP address.

48. (Previously presented) The wireless apparatus of claim 38, wherein the network interface comprises a mobile telephone network interface, and wherein the codes for directing the processor circuit to establish communications between the wireless apparatus and the destination

node to include codes for directing the processor circuit to cause a call to be initiated using the mobile telephone network interface on a mobile telephone network.

49. (Original) A system for enabling roaming by a wireless apparatus, the system comprising the wireless apparatus of claim 38 and further comprising:

a routing controller; and

an access server comprising a processor circuit and a computer readable medium in communication with the processor circuit, the computer readable medium encoded with codes for directing the processor circuit of the access server to:

receive the access code request message from the wireless apparatus;

communicate with the routing controller to obtain from the routing controller the access code wherein the access code identifies a communications channel associated with the location identifier and wherein the access code is useable by the wireless apparatus to cause the routing controller to establish a call to the destination node using the communications channel; and

transmit the access code reply message to the wireless apparatus.

50. (Currently amended) A non-transitory computer readable medium having stored thereon computer executable codes for directing a processor circuit of a wireless device to establish communications with a destination node on a network, the codes comprising codes for directing the processor circuit to:

cause the wireless device to receive from a user of the wireless device a destination node identifier associated with the destination node;

cause the wireless device to transmit an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device;

cause the wireless device to receive an access code reply message comprising an ~~Internet Protocol (IP) address from the access server in response to the access code request message, the access code reply message including an access code based on the location identifier in the access code request message, the~~ access code identifying an Internet Protocol

(IP) address based on the location identifier in the access code request message, the access code representing a communications channel of a network element in the network ~~on a gateway~~ through which communications between the wireless device and the destination node can be conducted, the communications channel being associated with the geographical location of the wireless device, the access code being distinct from the destination node identifier; and

cause the wireless device to use the access code comprising the Internet Protocol (IP) address based on the location identifier to establish communications between the wireless device and the destination node through the communications channel of the network element identified by the access code.

51. (Currently amended) A method for enabling a wireless device to establish communications with a destination node, the method comprising:

receiving from the wireless device an access code request message including a destination node identifier associated with the destination node and a location identifier identifying a geographical location of the wireless device;

in response to receiving the access code request message, causing a routing controller to produce an access code identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, ~~wherein~~ the access code being ~~is produced~~ based on the location identifier of the access code request message received from the wireless device[[and]], wherein the access code is useable by the wireless device to initiate communications with the destination node through the communications channel; and

transmitting, to the wireless device, an access code reply message including the access code based on the location identifier~~to the wireless device~~, to cause the wireless device to use the access code to initiate communications with the destination node through the communications channel.

52. (Original) The method of claim 51, wherein receiving comprises receiving the access code request message on a non-voice network.

53. (Original) The method of claim 51, wherein receiving the access code request message comprises receiving the access code request message as a Short Messaging Service (SMS) message.

54. (Original) The method of claim 51, wherein receiving comprises receiving the access code request message on a voice network.

55. (Original) The method of claim 54, wherein receiving the access code request message on a voice network comprises receiving the access code request message as a Short Messaging Service (SMS) message.

56. (Original) The method of claim 51, wherein the routing controller is operably configured to route a call between the wireless device and the destination node when the wireless device uses the access code to establish communications between the wireless device and the destination node.

57. (Original) The method of claim 51, wherein causing the routing controller to produce the access code comprises causing the access code to be selected from a pool of access codes.

58. (Original) The method of claim 57 further comprising determining from the location identifier a local calling area associated with the wireless device and causing the access server to select an access code associated with a calling area matching the local calling area associated with the wireless device.

59. (Original) The method of claim 57, further comprising accessing a location field of a dialing profile associated with the wireless device when a local calling area cannot be determined from the location identifier and determining a local calling area associated with the wireless device from the contents of the location field and selecting an access code associated with a calling area matching the local calling area associated with the wireless device.

60. (Original) The method of claim 51, wherein the location identifier comprises an Internet Protocol (IP) address of the wireless device in a wireless IP network.

61. (Original) The method of claim 51, wherein the location identifier comprises an identifier of a wireless voice signal station in wireless communication with the wireless device.

62. (Original) The method of claim 51, wherein the location identifier comprises a user-configured identifier of a location associated with the wireless device.

63. (Original) The method of claim 57, wherein at least one of the access codes in the pool of access codes identifies an IP network address as a possible communications channel through which the communications can be conducted.

64. (Previously presented)The method of claim 51, wherein the access code identifies an IP network address as a possible communications channel through which the communications can be conducted, the method further comprising enabling communications between the wireless device and the destination node to be established through an IP network in response to a call received at the IP network address from the wireless device using the access code identifying the IP network address.

65. (Original) The method of claim 57, wherein at least one of the access codes identifies a telephone number as a possible communications channel through which the communications can be conducted.

66. (Original) The method of claim 65, further comprising enabling communications between the wireless device and the destination node to be established through a public switched telephone network (PSTN) in response to a call received at the telephone number from the wireless device using the access code identifying the telephone number.

67. (Original) The method of claim 51, wherein the access code request message includes a caller identifier and wherein the method further comprises associating the caller identifier included in the access code request message with the access code produced by the routing controller.

68. (Original) The method of claim 64, further comprising enabling the routing controller to facilitate communications in response to use of the access code by the wireless device only if the caller identifier associated with the access code used by the wireless device to establish communications with the destination node identifies the wireless device.

69. (Original) The method of claim 67, further comprising associating the destination node identifier included in the access code request message with the access code produced by the routing controller.

70. (Original) The method of claim 69, wherein the associating the caller identifier and the destination node identifier with the selected access code occurs only when:

a) the access code is not already associated with a destination node identifier; or

b) the access code is already associated with another destination node identifier, and a timeout value associated with the another destination node identifier has expired.

71. (Original) The method of claim 51, further comprising causing a timestamp to be associated with the access code, for use in determining when the usability of the access code to initiate a call to the destination node will expire, and causing the timestamp to be included in the access code reply message transmitted to the wireless device.

72. (Original) The method of claim 70, further comprising causing communications to be permitted between the wireless device and the destination node when the wireless device seeks to establish a call to the destination node using the access code transmitted in the access code reply message when the timestamp associated with the access code indicates the usability of the access code has not expired, and causing the communications to be prevented when the timestamp indicates the usability of the access code has expired.

73. (Original) The method of claim 51, wherein transmitting comprises transmitting the access code reply message on a non-voice network.

74. (Original) The method of claim 51, wherein transmitting the access code reply message comprises transmitting the access code reply message as a Short Messaging Service (SMS) message.

75. (Original) The method of claim 51, wherein transmitting comprises transmitting the access code reply message on a voice network.

76. (Original) The method of claim 75, wherein transmitting the access code reply message on a voice network comprises transmitting the access code reply message as a Short Messaging Service (SMS) message.

77. (Currently amended) An apparatus for enabling a wireless device to establish communications with a destination node, the apparatus comprising:

means for receiving from the wireless device an access code request message including a destination node identifier associated with the destination node and a location identifier identifying a geographical location of the wireless device;

means for causing a routing controller to produce an access code identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, in response to receiving the access code request message, such that the access code is produced based on the location identifier of the access code request message received from the wireless device and such that the access code is useable by the wireless device to initiate communications with the destination node through the [[ ]]communications channel; and

means for transmitting an access code reply message including the access code to the wireless device, wherein the access code in the access code reply message is based on the location identifier and is used by the wireless device to initiate communications with the destination node through the communication channel on the gateway.

78. (Original) The apparatus of claim 77, wherein the means for receiving comprises a non-voice network interface for receiving the access code request message on a non-voice network.

79. (Original) The apparatus of claim 77, wherein the means for receiving the access code request message comprises means for receiving the access code request message as a Short Messaging Service (SMS) message.

80. (Original) The apparatus of claim 77, wherein the means for receiving comprises means for receiving the access code request message on a voice network.

81. (Original) The apparatus of claim 80, wherein the means for receiving the access code request message on a voice network comprises means for receiving the access code request message as a Short Messaging Service (SMS) message.

82. (Original) The apparatus of claim 77, further comprising the routing controller and wherein routing controller is operably configured to route a call between the wireless device and the destination node.

83. (Original) The apparatus of claim 82, wherein the routing controller is operably configured to select the access code from a pool of access codes.

84. (Original) The apparatus of claim 83, wherein the routing controller is operably configured to determine a local calling area associated with the wireless device from the location identifier and to select an access code associated with a calling area matching the local calling area associated with the wireless device.

85. (Original) The apparatus of claim 83, further comprising:

a dialing profile associated with the wireless device, the dialing profile including a location field; and

wherein the routing controller is operably configured to determine a local calling area associated with the wireless device from the contents of the location field and to select an access code associated with a calling area matching the local calling area associated with the wireless device, when a local calling area associated with the wireless device cannot be determined from the location identifier.

86. (Original) The apparatus of claim 77, wherein the location identifier includes an Internet Protocol (IP) address of the wireless device in a wireless IP network.

87. (Original) The apparatus of claim 77, wherein the location identifier includes an identifier of a wireless voice signal station in wireless communication with the wireless device.

88. (Original) The apparatus of claim 77, wherein the location identifier includes a user-configured identifier of a location associated with the wireless device.

89. (Original) The apparatus of claim 83, wherein at least one of the access codes in the pool of access codes identifies an IP network address as a possible communications channel through which the communications can be conducted.

90. (Previously presented) The apparatus of claim 77, wherein the access code identifies an IP network address as a possible communications channel through which the communications can be conducted, and wherein the routing controller is operably configured to enable communications between the wireless device and the destination node to be established through an IP network in response to a call received at the IP network address from the wireless device using the access code identifying the IP network address.

91. (Original) The apparatus of claim 83, wherein at least one of the access codes in the pool of access codes identifies a telephone number as a possible communications channel through which the communications can be conducted.

92. (Original) The apparatus of claim 91, wherein the routing controller is operably configured to enable communications between the wireless device and the destination node to be established through a public switched telephone network (PSTN) in response to a call received at the telephone number from the wireless device using the access code identifying the telephone number.

93. (Original) The apparatus of claim 83, wherein the access code request message includes a caller identifier and wherein the routing controller is operably configured to associate the caller identifier with the selected access code.

94. (Original) The apparatus of claim 93, wherein the routing controller is operably configured to facilitate communications between the wireless device and the destination node in response to use of the access code by the wireless device only if the caller identifier associated with the access code used by the wireless device to establish communications with the destination node identifies the wireless device.

95. (Original) The apparatus of claim 93, wherein the routing controller is operably configured to associate the destination node identifier included in the access code request message with the selected access code.

96. (Original) The apparatus of claim 95, wherein the routing controller is operably configured to associate the caller identifier and the destination node identifier with the selected access code only when:

a) the access code is not already associated with a destination node identifier; or

b) the access code is already associated with another destination node identifier, and a timeout value associated with the another destination node identifier has expired.

97. (Original) The apparatus of claim 82, wherein the routing controller is operably configured to associate a timestamp with the access code, for use in determining when the usability of the access code to initiate a call to the destination node will expire, and to cause the timestamp to be included in the access code reply message transmitted to the wireless device.

98. (Original) The apparatus of claim 97, wherein the routing controller is operably configured to enable communications to be established between the wireless device and the destination node when the wireless device seeks to establish a call to the destination node using the access code transmitted in the access code reply message when the timestamp associated with the access code indicates the usability of the access code has not expired and to prevent the communications from being established when the timestamp indicates the usability of the access code has expired.

99. (Original) The apparatus of claim 77, wherein the means for transmitting comprises a non-voice network interface for transmitting the access code reply message on a non-voice network.

100. (Original) The apparatus of claim 77, wherein the means for transmitting the access code reply message comprises means for transmitting the access code reply message as a Short Messaging Service (SMS) message.

101. (Original) The apparatus of claim 77, wherein the means for transmitting comprises means for transmitting the access code reply message on a voice network.

102. (Previously presented) The apparatus of claim 101, wherein the means for transmitting the access code reply message on a voice network comprises means for transmitting the access code reply message as a Short Messaging Service (SMS) message.

103. (Currently amended) An apparatus for enabling a wireless device to establish communications with a destination node, the apparatus comprising:

a processor circuit including at least one processor;

a network interface in communication with the processor circuit; and

a non-transitory computer readable medium having stored thereon computer executable codes for directing the at least one processor to:

receive from the wireless device an access code request message including a destination node identifier associated with the destination node and a location identifier identifying a geographical location of the wireless device;

cause a routing controller to produce an access code identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, in response to receiving the access code request message, such that the access code is produced based on the location identifier of the access code request message received from the wireless device and such that the access code is useable by the wireless device to initiate communications with the destination node through the communications channel; and

transmit an access code reply message including the access code to the wireless device, wherein the access code in the access code reply message is based on the location identifier and is used by the wireless device to initiate communications with the destination node through the communication channel.

104. (Original) The apparatus of claim 103, wherein the network interface comprises a non-voice network interface, and wherein the codes for directing the processor circuit to receive include codes for directing the processor circuit to cause the access code request message to be received using the non-voice network interface on a non-voice network.

105. (Original) The apparatus of claim 103, wherein the codes includes codes for directing the processor circuit to receive the access code request message as a Short Messaging Service (SMS) message.

106. (Original) The apparatus of claim 103, wherein the codes include codes for directing the processor circuit to receive the access code request message on a voice network.

107. (Original) The apparatus of claim 106, wherein the codes include codes for directing the processor circuit to receive the access code request message as a Short Messaging Service (SMS) message.

108. (Original) The apparatus of claim 103 further comprising the routing controller.

109. (Previously presented) The apparatus of claim 108, wherein the routing controller is operably configured to cause the access code to be selected from a pool of access codes, wherein none of the access codes in the pool of access codes identifies a respective telephone number.

110. (Original) The apparatus of claim 109, wherein the routing controller is operably configured to determine from the location identifier a local calling area associated with the wireless device and to select an access code associated with a calling area matching the local calling area associated with the wireless device.

111. (Original) The apparatus of claim 109, wherein the routing controller is operably configured to access a location field of a dialing profile associated with the wireless device when a local calling area cannot be determined from the contents of the location identifier and to determine a local calling area associated with the wireless device from the contents of the location field and to select an access code associated with a calling area matching the local calling area associated with the wireless device.

112. (Original) The apparatus of claim 103, wherein the location identifier comprises an Internet Protocol (IP) address of the wireless device in a wireless IP network.

113. (Original) The apparatus of claim 103, wherein the location identifier comprises an identifier of a wireless voice signal station in wireless communication with the wireless device.

114. (Original) The apparatus of claim 103, wherein the location identifier comprises a user-configured identifier of a location associated with the wireless device.

115. (Original) The apparatus of claim 109, wherein at least one of the access codes in the pool of access codes identifies an IP network address as a possible communications channel through which the communications can be conducted.

116. (Previously presented) The apparatus of claim 103, wherein the access code identifies an IP network address as a possible communications channel through which the communications can be conducted, and wherein the routing controller is operably configured to enable communications between the wireless device and the destination node to be established through an IP network in response to a call received at the IP network address from the wireless device using the access code identifying the IP network address.

117. (Previously presented) The apparatus of claim 108, wherein the routing controller is operably configured to cause the access code to be selected from a pool of access codes, and wherein at least one of the access codes in the pool of access codes identifies a telephone number as a possible communications channel through which the communications can be conducted.

118. (Original) The apparatus of claim 117, wherein the routing controller is operably configured to enable communications between the wireless device and the destination node to be established through a public switched telephone network (PSTN) in response to a call received at the telephone number from the wireless device using the access code identifying the telephone number.

119. (Previously presented) The apparatus of claim 108, wherein the access code request message includes a caller identifier and wherein the routing controller is operably configured to associate the caller identifier included in the access code request message with an access code selected by the routing controller.

120. (Previously presented) The apparatus of claim 119, wherein the routing controller is operably configured to facilitate communications between the wireless device and the destination node in response to the access code used by the wireless device only if the caller identifier associated with the access code used by the wireless device to establish communications with the destination node identifies the wireless device.

121. (Original) The apparatus of claim 119, wherein the routing controller is operably configured to associate the destination node identifier included in the access code request message with the selected access code.

122. (Original) The apparatus of claim 121, wherein the routing controller is operably configured to associate the caller identifier and the destination node identifier with the selected access code only when:

a) the access code is not already associated with another destination node identifier; or

b) the access code is already associated with a destination node identifier, and a timeout value associated with the another destination node identifier has expired.

123. (Original) The apparatus of claim 122, wherein the routing controller is operably configured to associate a timestamp with the access code, for use in determining when the usability

of the access code to initiate a call to the destination node will expire, and to cause the timestamp to be included in the access code reply message.

124. (Previously presented) The apparatus of claim 103, wherein the routing controller is operably configured to enable communications to be established between the wireless device and the destination node when the wireless device seeks to establish a call to the destination node using the access code transmitted in the access code reply message when a timestamp associated with the access code indicates that usability of the access code has not expired and to prevent the communications from being established when the timestamp indicates that the usability of the access code has expired.

125. (Original) The apparatus of claim 103, wherein the network interface comprises a non-voice network interface, and wherein codes for directing the processor circuit to transmit include codes for directing the processor circuit to cause the access code reply message to be transmitted using the non-voice network interface on a non-voice network.

126. (Original) The apparatus of claim 103, wherein the codes include codes for directing the processor circuit to cause the access code reply message to be transmitted as a Short Messaging Service (SMS) message.

127. (Original) The apparatus of claim 103, wherein the codes include codes for directing the processor circuit to cause the access code reply message to be transmitted on a voice network.

128. (Original) The apparatus of claim 127, wherein the codes include codes for directing the processor circuit to cause the access code reply message to be transmitted as a Short Messaging Service (SMS) message.

129. (Currently amended) A non-transitory computer readable medium encoded with computer executable codes for directing a processor circuit of a wireless device to establish

communications with a destination node, the codes comprising codes for directing the processor circuit to:

receive from the wireless device an access code request message including a destination node identifier associated with the destination node and a location identifier identifying a geographical location of the wireless device;

cause a routing controller to produce an access code comprising an Internet Protocol (IP) network address identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, in response to receiving the access code request message, such that the access code is produced based on the location identifier of the access code request message received from the wireless device and such that the access code is useable by the wireless device to initiate communications with the destination node through the communications channel; and

transmit an access code reply message including the access code to the wireless device, wherein the Internet Protocol (IP) address of the access code is based on the location identifier and is used by the wireless device to initiate communications with the destination node through the communication channel on the gateway.

130. (Currently amended) A method of operating an apparatus for enabling a wireless device to establish communications with a destination node, the method comprising:

receiving from the wireless device a request message including a destination node identifier associated with the destination node and a location identifier associated with a geographical location of the wireless device, wherein the location identifier comprises a[[n]] first Internet Protocol (IP) address associated with the wireless device;

in response to receiving the request message, producing an access code identifying a[[n]] second Internet Protocol (IP) address associated with a ~~gateway~~ IP network communication device through which communications between the wireless device and the destination node can be conducted, wherein the access code is produced based on the location identifier received from the wireless device, wherein the access code is useable by the wireless device to initiate communications with the destination node through the IP network communication device~~gateway~~; and

transmitting a reply message including the access code to the wireless device, wherein the second Internet Protocol (IP) address is based on the location identifier and is used by the wireless device to initiate communications with the destination node through the communication channel on the IP network communication device.

131. (Previously presented) The method of claim 130 wherein the access code is produced based on the destination node identifier.

132. (Previously presented) The method of claim 131 wherein the destination node identifier comprises a phone number associated with the destination node.

133. (Previously presented) The method of claim 130 further comprising, if the destination node is a PSTN telephone on the public switched telephone network (PSTN), establishing communications from the wireless device to a communications supplier gateway operable to connect to the PSTN telephone via the public switched telephone network (PSTN).

134. (Previously presented) The method of claim 51, wherein causing the routing controller to produce the access code further comprises:

determining, from the location identifier, a current location of the wireless device; and

searching an access code association database table to identify an access code associated with the current location of the wireless device but not presently associated with communications to any destination node, to produce the access code transmitted in the access code reply message.

135. (Previously presented) The method of claim 1 wherein the access code request message is transmitted from the wireless device via a WiFi network and the access code reply message is received by the wireless device via the WiFi network.

136. (Previously presented) The method of claim 1, wherein the destination node identifier and the location identifier are transmitted at the same time.

137. (Currently amended) The method of claim 51, wherein the access code is based on an area code corresponding [[with]]to a location identified by the location identifier.

138. (Previously presented) The method of claim 51, wherein the access code reply message identifies an Internet Protocol (IP) network address of the communications channel through which the communications can be conducted, wherein the access code is useable by the wireless device to initiate the communications with the destination node through the communications channel.

139. (Previously presented) The apparatus of claim 103, wherein the access code reply message identifies an Internet Protocol (IP) network address associated with the communications channel through which the communications can be conducted, wherein the Internet Protocol (IP) network address is useable by the wireless device to initiate the communications with the destination node through the communications channel.

140. (Previously presented) The method of claim 1, further comprising:

(a) receiving, in the access code reply message, an Internet Protocol (IP) address; and

(b) establishing the communications between the wireless device and the destination node based on the Internet Protocol (IP) address received in the access code reply message.

141. (Previously presented) The method of claim 1, wherein the access code received in the access code reply message does not comprise a telephone number.

SUMMARY OF INTERVIEW

Attendees, Date and Type of Interview

A telephonic interview was conducted on December 18, 2018 and attended by Examiner M. Mostazir Rahman, Supervisory Examiner Andrew Lai, and Applicant's representative, Sean Parmenter, Reg. No. 53,437. Also included via telephone was David Gileff, Reg. No. 56,494.

Identification of Claims Discussed

Independent claims 38, 51 and 130 were discussed.

Identification of Cited/Disclosed Art Discussed

U.S. Patent Publication No. 2003/0114145A1 ("Boda")

Principal Arguments and Other Matters

The applied references do not disclose all the elements of the claims.

Results of Interview

No agreement was reached as to the patentability of the claims.

REMARKS

In response to the Office Action dated August 24, 2018, no claims are canceled or added and claims 1, 20, 38, 50, 51, 77, 103, 129, 130, 137 have been amended.

Following the Interview, Applicant reiterates its position that the cited references, whether individually or in combination, fail to disclose the subject-matter of the previous claims, thus the amendments made herein are not made to overcome the cited art; however, it is believed that they should improve the clarity of the claims and correct some minor typographical errors.

Thus, claims 1-141 are pending and favorable consideration thereof is respectfully requested. Claims 1, 20, 38, 50, 51, 77, 103, 129 and 130 are the independent claims.

Information Disclosure Statements

Applicant respectfully submits that the three sheets of Information Disclosure Statements filed on October 20, 2016 have not yet been acknowledged and requests consideration thereof.

Previous Rejections Withdrawn

Applicant thanks the Examiner for withdrawing the rejections based on combinations involving the Fukasaku and D'Evelyn references, discussed in Applicant's previous paper.

Interview

Applicant thanks the Examiner and the Examiner's supervisor for the interview on Dec. 18, 2018. Given that no agreement was reached, Applicant submits these further remarks.

Discussion of Claim Rejections under 35 U.S.C. §103(a)

Claims 1-137 have been rejected under pre-*AIA* 35 U.S.C. 103(a) as being unpatentable over US20080056235A1 ("Albina") in view of US20030114145A1 ("Boda").

The standard for obviousness has been addressed by the Supreme Court in *KSR International Co. v. Teleflex Inc.* 127 S. Ct. 1727 (2007) (hereinafter, "KSR"). In *KSR*, the Supreme Court affirmed that the factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1 (1966), form the basis of the obviousness inquiry. Accordingly, obviousness is a question

of law based on underlying factual inquiries. The *Graham* factual inquiries are: (1) determining the scope and content of the prior art; (2) ascertaining the differences between the claimed invention and the prior art; (3) resolving the level of ordinary skill in the pertinent art; and (4) considering objective evidence indicating obviousness or non-obviousness.

With reference to at least the second *Graham* factual inquiry, Applicant respectfully submits that important differences exist between the claimed invention and the cited prior art, as will be explained below, and in view of these differences, it is respectfully submitted that the cited prior art references do not provide a proper basis for a rejection under 35 U.S.C. § 103(a).

The Court in *KSR* also indicated that a proper finding of obviousness requires an explicit analysis based on an "apparent reason to combine the known elements *in the fashion* claimed by the patent at issue", and has warned against basing such an analysis on hindsight. *KSR*, pp. 14 and 17.

Applicant respectfully submits that the current Office Action overlooks that the proposed combination of Albina and Boda fails to supply all the elements recited in Applicant's claims and thus the proposed combination is incapable of rendering the claimed invention obvious. Further, there is insufficient explanation of how or why the cited references would have been combined.

Boda

Boda discloses a system for an audience member to participate in a call-in show (e.g., a broadcast program) by using a "mobile device" to send a "request to contact [the] show" to a "call server." *See* Abstract of Boda. Optionally, the request may include "location information" to allow the show representative to introduce the user to the show's general audience. *See* paras. [0023] and [0030]. The call server "forwards the request to a show representative," in order to "screen[] calls and provides automated responses." *See* Abstract. When the show "accepts a request to contact the show, the call server initiates a connection" between the "mobile device" of the audience member and a "telephone associated with the show". *Id. See also* para. [0026]. The call may be initiated by the call server immediately or at a predefined time; for example, if the show announces to the audience member, "Thanks for your call, your turn is 10 minutes from now" (*see* para. [0024]), the call server may initiate/establish the connection between the audience member's mobile device and the show after a delay of ten minutes (*see* para. [0026]).

Independent Claims 1 and 51

Independent Claims 1 and 51, as amended, recite:

1. A method of establishing communications between a wireless device and a destination node of a communications network, the method comprising:

receiving from a user of the wireless device a destination node identifier associated with the destination node;

transmitting an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device;

receiving an access code reply message from the access server in response to the access code request message, the access code reply message including an access code based on the location identifier in the access code request message, the access code identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, the access code being distinct from the destination node identifier; and

in response to receiving the access code reply message, causing the wireless device to use the access code received in the access code reply message to initiate communications from the wireless device to the destination node through the channel identified by the access code, wherein the access code is based on the location identifier transmitted in the access code request message and enables the communications to be established from the wireless device to the destination node through the channel on the gateway identified by the access code.

[emphasis added]

51. A method for enabling a wireless device to establish communications with a destination node, the method comprising:

receiving from the wireless device an access code request message including a destination node identifier associated with the destination node and a location identifier identifying a geographical location of the wireless device;

in response to receiving the access code request message, causing a routing controller to produce an access code identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, the access code being based on the location identifier of the access code request message received from the wireless device, wherein the access code is useable by the wireless device to initiate communications with the destination node through the communications channel; and

transmitting, to the wireless device, an access code reply message including the access code based on the location identifier, to cause the wireless device to use the access code to initiate communications with the destination node through the communications channel.

[emphasis added]

Claim 51 has been rejected "for the same reason as set forth in claim 1" (*see* Office action at 41). While only Claims 1 and 51 are quoted above, independent Claims 20, 38, 50, 77, 103, 129 and 130 recite similar claim elements, thus the arguments below apply *mutatis mutandis*.

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Referring to independent **Claim 1**, the Examiner states that, "Albina appears silent on '*transmitting an access code request message to an access server[,] the access code request message including the destination node identifier and a location identifier identifying a geopgraphical location of the wireless device* [and] '*the access code reply message including an access code based on the location identifier in the access code request message*,'" as recited in Claim 1. *See* the Office action ("OA") at 14. However, the Examiner asserts that the aforesaid claim elements were allegedly "known in the art... as shown by Boda". *Id.* With regard to the second above-cited claim element, the Examiner relies for support on paras. [0025]-[0026] of Boda, which, according to the Examiner, disclose the call server sending a predefined "response" based on "demographic information" back to the "mobile device from which the initial command to contact the show was received" and that the call server "establishes a connection between the audience member's mobile device and a telephone associated with the show." *See* OA at 15.

However, the specific functionality cited in Boda by the Examiner (*i.e.*, in paras. [0025]-

[0026] of Boda) nevertheless fails to provide an "*access code reply message including an access code based on the location identifier in the access code request message*," wherein the "*access code*" is used to "*establish[] communications*," as recited in claim 1. Likewise, the cited functionality of Boda fails to provide an "*access code reply message*" including an "*access code*" that was produced "*based on the location identifier of the access code request message*" wherein "*the access code is useable by the wireless device to initiate communications with the destination node through the communications channel*," as recited in claim 51.

First, the predefined "response" that is sent in Boda is explained in para. [0024]: this is an "announcement" to the audience member as to what decision was made by the show regarding the audience member's call request. Predefined responses include responses that "immediately accept the request," "immediately reject the request," or "store the request... in queues", etc., for example, "Thanks for your call, your turn is 10 minutes from now." *See* para. [0024]. Notably, the announcement that informs the audience member of his or her request's status *does not itself establish a call*. For example, the announcement, "Thanks for your call, your turn is 10 minutes from now," clearly implies that the call will ***not*** be established at the present time. *Id. See also* para. [0026] (disclosing that "when the show host accepts a request but ***informs*** the requesting audience member that the delay is ten minutes, the call server may wait ten minutes before initiating a connection"). *See also id.* at para. [0026] and steps 213 and 217 of Fig. 2, which disclose that the call server sends the response to the audience member (in step 213) ***before*** the connection to the audience member is established (in step 217). Clearly, the initial "response" in step 213 is merely informational and has ***nothing to do with establishing the connection*** between audience member and show in step 217. Indeed, Boda expressly states that step 213 is optional (para. [0027]). Boda's system can still work even if it entirely omits the "response" to the audience member in step 213. The decision to "accept or reject" a request can alternatively be made by a "computer" according to "predefined criteria," which include "demographic information," as alluded to by the Examiner. *See* para. [0025]. But this does not change the basic fact that the "response" in step 213 is ***(1)*** merely informational, ***(2)*** has nothing to do with establishing the connection, and, ***(3)*** indeed, is entirely optional, as already discussed above. Thus, the "response" in step 213 is ***not*** a disclosure of an "*access code reply message*" including an "*access code*" that is useable to "*establish[] communications,*" as recited in claim 1. Even for

this reason alone, the combination of Albina with Boda already fails to render claim 1 obvious.

Second, the "response" sent does not contain an "*access code based on the location identifier in the access code request message,*" as recited in claim 1. The Examiner indicates the "response" may be based on "demographic information." *See* OA at 15. But "demographic information" does not appear to be related to any "location identifier". Rather, "demographic information" relates to identifying personal characteristics of a caller such as "age" and "gender" for the purpose of screening out callers which are inapplicable to a show's theme. *See* paras. [0022] and [0004]. For example, men could be screened out from participating in a call-in show themed for women only. This has nothing to do with a "location identifier." Perhaps the Examiner inadvertently misread "*demographic* information" in para. [0025] as being "*geographic* [location] information," however, these two concepts are distinct. Boda does not disclose that the response in step 213 contains anything (let alone an "*access code*") based on a "*location identifier*," thus the "response" is not a disclosure of an "*access code reply message*." As discussed, the response is merely status information, does not serve to establish a connection, and is optional (and unnecessary) to the operation of Boda's system in its primary embodiment. Indeed, Boda discloses that the purpose of receiving "location information" at the call server in some embodiments is merely to allow the "show representative" to "introduce the user to the show's general audience". *See* para. [0023]. Introducing a caller to a show's general audience is a well-known and typical feature of call-in shows. For example, a radio show host could announce, "I now have Andrew on the line from Los Angeles—welcome, Andrew!" That seems to be the *only* use of "location information" disclosed by Boda, thus Boda is unable to cure the deficiencies ascribed to Albina. In particular, Boda fails to disclose or even suggest an "*access code reply message including an access code based on the location identifier in the access code request message,*" as recited in claim 1. And there is no evidence that the "response" in Boda is ever used by the wireless communication device itself to place a call. Thus, Albina, even if combined with Boda, would not have rendered claim 1 obvious for these further reasons.

Third, not only does step 213 of Boda fail to provide the teaching necessary to modify Albina to perform Applicant's claimed invention, but step 217 in Boda is *also* insufficient. As discussed above, step 217 establishes a connection to the audience member's mobile device. However, it is significant that the "call server" fully controls the initiation of the connection—***not***

the mobile device. Boda discloses that "the call server establishes a connection between the audience member's mobile device and a telephone associated with the show, in step 217". *See* para. [0026]. The mobile device cannot be used for talking to the call show host unless and until the call server *initiates* the call if the call request is accepted. For example, in the above example where a show host has announced to the audience member that "your turn is 10 minutes from now" (para. [0024]), "the call server may wait ten minutes ***before initiating*** a connection" (para. [0026]). *See also* para. [0008] (disclosing that "[w]hen the request is accepted, the call server establishes a connection between the user's mobile terminal and a terminal associated with the show") and para. [0032] (disclosing that if a sales representative accepts a connection request, then "the call server establishes a new connection between the mobile terminal and the sales representative"). The mobile device is helpless to do anything but wait for the call to come through. It is apparent, for this *additional* reason, that, in Boda's system, a "*wireless device*" does ***not*** receive an "*access code reply message*" including an "*access code based on the location identifier*" wherein the "*access code*" is used by the ***wireless device*** to "*initiate communications*" from the wireless device to a destination node in the manner recited in, for example, Applicant's claims 1 and 51. Instead, in Boda, the call server initiates communications to the wireless device, which obviates providing an "*access code based on the location identifier*" for use by the wireless device. In a further example in para. [0027], in some embodiments of Boda, "the show representative may contact the mobile device directly," but, again, this implies that the initiative for making the connection lies with the show representative, not with the wireless mobile device. Indeed, one of the goals of Boda is to make it unnecessary for the audience member to "receive" a telephone number for the purpose of calling a call-in show (para. [0006]). Therefore, it is submitted that Boda's teaching contributes nothing to Albina that would allow the combination of these references to render obvious Applicant's claims 1 or 51, for these *still further* reasons.

Finally, the Examiner provides no explanation for *how* Boda's teaching would be integrated into the proposed combination of references. If the Examiner has specific modifications to Albina in mind or relies on specific assumptions, these should be explicitly stated. See *KSR*, pp. 14 and 17. The Supreme Court, in *KSR Int'l Co. v. Teleflex Inc.*, 550 U.S. 398 (2007) ("*KSR*"), has indicated that a finding of obviousness requires an explicit analysis based on an "apparent reason to combine the known elements *in the fashion claimed* by the

patent at issue", and to provide "a reason that would have prompted a person of ordinary skill in the relevant field to combine the elements *in the way the claimed* new invention does," but warned of the need to guard against falling prey to "hindsight bias [and] *ex post* reasoning." *KSR*, 550 U.S. at 401-403, 421; see also *Innogenetics, N.V. v. Abbott Laboratories*, 512 F.3d 1363 n.3 ("be careful not to allow hindsight reconstruction"). Furthermore, "conclusory statements" alone are insufficient; instead, the finding must be supported by a "reasoned explanation." *Lee*, 277 F.3d at 1342, 1345. The above-mentioned disclosures in Boda appear to undermine the Examiner's proposed reason for combining Boda with Albina. If sending location information is an *optional* feature in Boda that is *independent from* establishing communications in Boda, then *even if* a person of skill in the art of the invention desired to follow Boda's teaching on location information to enhance Albina to support direct communication between show representatives and audience members with little human assistance (the motivation given by the Examiner), Boda's method *would not* lead to modifying Albina's method of establishing communications because Boda does not teach using location information for establishing communications. Put another way, the Examiner has not explained how or why following Boda's teaching would lead to the specific invention recited in Applicant's claims. Thus, it is submitted that the present rejections of Applicant's claims lack foundation for this additional reason.

For the foregoing reasons, it is respectfully submitted that the combination of Albina and Boda is incapable of establishing the obviousness of Claims 1 and 51 under 35 U.S.C. §103(a).

Applicant respectfully notes in passing that most if not all of the above considerations and distinctions were supported by the previously pending claims in this application and therefore that those claims were patentable *per se* over the combination of Albina and Boda. Nevertheless, certain amendments have been made to clarify the claims and to make differences between the claimed invention and the cited art even more explicit simply in order to expedite prosecution.

Independent Claims 20, 38, 50, 77, 103, 129 and 130

Applicant respectfully submits that each of the independent Claims 20, 38, 50, 77, 103, 129 and 130 recite elements similar to the elements discussed above regarding Claims 1 and 51, for example:

(a) claim 20 recites, *inter alia*, "*means for causing the wireless apparatus to establish communications with the destination node through the communications channel identified by the access code in the access code reply message, the access code being based on the location identifier transmitted in the access code request message*,";

(b) claim 38 recites, *inter alia*, "*initiate communications from the wireless apparatus, via the network interface, using the access code based on the location identifier, to establish communications between the wireless apparatus and the destination node through the communications channel identified by the access code*";

(c) claim 50 recites, *inter alia*, "*cause the wireless device to use the access code comprising the Internet Protocol (IP) address based on the location identifier to establish communications between the wireless device and the destination node through the communications channel of the network element identified by the access code*";

(d) claim 77 recites, *inter alia*, "*means for transmitting an access code reply message including the access code to the wireless device, wherein the access code in the access code reply message is based on the location identifier and is used by the wireless device to initiate communications with the destination node through the communication channel on the gateway*";

(e) claim 103 recites, *inter alia*, "*transmit an access code reply message including the access code to the wireless device, wherein the access code in the access code reply message is based on the location identifier and is used by the wireless device to initiate communications with the destination node through the communication channel*";

(f) claim 129 recites, *inter alia*, "*transmit an access code reply message including the access code to the wireless device, wherein the Internet Protocol (IP) address of the access code is based on the location identifier and is used by the wireless device to initiate communications with the destination node through the communication channel on the gateway*"; and

(g) claim 130 recites, *inter alia*, "*transmitting a reply message including the access code to the wireless device, wherein the second Internet Protocol (IP) address is based on the location identifier and is used by the wireless device to initiate communications with the destination node through the communication channel on the IP network communication device.*"

Thus, for reasons similar to those given above, *mutatis mutandis*, it is respectfully submitted that the Examiner's rejections under 35 U.S.C. §103(a) of Applicant's independent

claims 20, 38, 50, 51, 77, 103, 129 and 130 should be withdrawn.

Applicant also respectfully submits that the rejection of claim 130 failed to accurately quote the language of the claim and that the Examiner has not identified each feature of the claim in the applied references. For example, the Examiner did not address the "IP address" features recited in claim 130, thus the rejection of claim 130 is also improper for this *additional* reason.

Discussion of Dependent Claims

Although Applicant has not addressed all the issues of the dependent claims, Applicant respectfully submits that Applicant does not necessarily agree with the characterization and assessments of the dependent claims in the Office action, and Applicant believes that each of the dependent claims is patentable on its own merits.

In particular, Applicant respectfully submits that claims 2-19, 21-37, 39-49, 52-76, 78-102, 104-128 and 131-137 should be allowable over the cited references due to their respective direct or indirect dependence from one of independent claims 1, 20, 38, 51, 77, 103, and 130, and also due to the additional subject-matter that each of these dependent claims recites.

Applicant takes this opportunity to identify some apparent errors in the Examiner's rejections of certain dependent claims. In this regard, 37 C.F.R. §1.104 describes the requirements for examination:

> "The examination shall be complete..." [37 C.F.R. § 1.104 (a)(1)]; and "The examiner's action will be complete as to all matters..." [37 C.F.R. § 1.104 (a)(4)(b)]
>
> "The reasons for any adverse action or any objection or requirement will be stated in an Office action and such information or references will be given as may be useful in aiding the applicant, or in the case of a reexamination proceeding the patent owner, to judge the propriety of continuing the prosecution." [37 C.F.R. § 1.104 (a)(2)]
>
> "In rejecting claims for want of novelty or for obviousness, the examiner must cite the best references at his or her command. When a reference is complex or shows or describes inventions other than that claimed by the applicant, the particular part relied on must be designated as nearly as practicable. The pertinence of each reference, if not apparent, must be *clearly* explained and each rejected claim specified." [37 C.F.R. § 1.104 (c)(2)] [emphasis added]

Claims 63, 89 and 115

With respect to **Claim 63** (*see* Office Action at 44), the Examiner has switched the basis of the rejection to Boda, however, Boda still fails to provide the recited claim elements.

The Examiner states that "Boda teaches... [that] access information may include a telephone number, an email address, [or] an IP address," and references paragraph [0019] of Boda for support (*see* Office Action at 44). However, the cited excerpt of Boda discloses that a "show representative" or "designated personnel" of the call-in "show" provides this "access information to ***call server 101***". Paragrap [0019] does not state that this particular "access information" is provided to the mobile device of users. On the contrary, Boda explains that the purpose of this "access information" is "so that call server 101 may contact call-in shows based on callers' requests... via telephone... email [etc.] as defined by each particular show's access information" (see para. [0015] of Boda). Similarly, para. [0021] discloses: "In step 209, the call server uses the received information to look up the show's access information, and forwards the request to the show (e.g., to the studio from which the show is originating)." Thus, the "access information" in Boda, cited by the Examiner, is information sent from the "show" to the "call server 101" to enable the "call server 101" to forward call requests to the show as needed.

In contrast, claim 63 recites a "pool" of "access codes" which may potentially be sent to a "***wireless device***" for its use in establishing a communication. *Compare* independent claim 51 (from which claim 63 depends), which recites: "***transmitting, to the wireless device, an access code reply message including the access code based on the location identifier...***" and "*wherein the access code is* ***useable by the wireless device to initiate communications*** *with the destination node*"). What the Examiner cites in Boda is teaching on how a call-in show may provide access information to a call server to allow it communicate with the show, but this fails to disclose providing an "*access code*" that is useable by a wireless device in the manner recited in Applicant's claims (*e.g.*, see dependent claim 63 in view of independent claim 51). Therefore, the cited portion of Boda fails to disclose an "*access code*" as recited in Applicant's claims.

For reasons similar to those above, Applicant respectfully submits that the rejections of **claims 89** and **115** are also improper and requests the withdrawal of these rejections.

Claims 64, 90 and 116

Applicant also submits that the rejection of **claim 64** (*see* Office Action at 44) should be withdrawn, *e.g.*, due to the absence of a disclosure in Albina of using a "*wireless device*" using an "*access code identifying the IP network address*" as recited in claim 64. The Examiner relies again on the "access information" disclosed in para. [0019] of Boda. However, as explained by Applicant above in connection with claim 63, the "access information" disclosed in para. [0019] of Boda is sent to the call server to enable the ***call server*** to communicate with the show. Claim 64, however, recites a "*wireless device using the access code*," which is ***not*** how the "access information" is used in Boda, thus the rejection of claim 64 is improper for at least this reason.

For reasons similar to those above, Applicant respectfully submits that the rejections of **Claims 90** and **116** are also improper and requests the withdrawal of these rejections. **Claim 90** appears to be rejected for the "same reason" as set forth in **claim 64** (OA at 49), and thus is improper for similar reasons. **Claim 116** is part of an omnibus rejection that recites, "Regarding claim 104-116, the claim is interpreted and rejected for the same reason as set forth in claim 2-10. [sic]" (see OA at 56). However, none of claims 2-10 appear to recite the same claim language as **claim 116**, thus the rejection of **claim 116** is improper and should be withdrawn.

Claim 109

Claim 109 ostensibly has been rejected for the "same reason" as set forth in **claim 7** (OA at 56) because **claim 109** is part of an omnibus rejection that recites, "Regarding claim 104-116, the claim is interpreted and rejected for the same reason as set forth in claim 2-10. [sic]" (see OA at 56). However, none of claims 2-10 appear to recite the same claim language as **claim 109** ("*wherein none of the access codes in the pool of access codes identifies a respective telephone number*"), therefore the rejection of claim 109 is improper and should be withdrawn.

Claims 6, 25, 43, 60, 86 and 112

With respect to **claim 6**, the Examiner has stated (OA at 17) that Figure 3 and para. [0019] of Boda disclose, "*wherein the location identifier comprises an Internet Protocol (IP) address of the wireless device in a wireless Internet Protocol (IP) network*," as recited in claim 6.

Figure 3 mentions "location information," but para. [0019] of Boda does ***not*** disclose that "location information can be [an] IP address," as alleged in the Office action at 17. Paragraph [0019] *at best* discloses that an "IP address" can be used as "access information" by the "call server 101." *See* Applicant's explanation of "access information" with respect to claim 63 above. Indeed, para. [0019] of Boda discloses nothing about "location information" whatsoever. In the absence of any evidence that Boda discloses the subject matter of Applicant's **claim 6**, Applicant respectfully submits that the rejection of **claim 6** should be withdrawn. By the same token, it is respectfully submitted that the rejection of **claim 25** is improper as well (*see* OA at 27).

Claims 43, **60**, and **112** appear to have been rejected for the "same reason" as **claim 6** (*see* Office Action at 36, 43 and 56), thus Applicant submits that the rejection of these claims is improper for similar reasons to those stated above for **claim 6**. **Claim 86** appears to have been rejected for the "same reason" as **claim 25**, thus the rejection is likewise improper (OA at 49).

Claims 10 and 29

With regard to **claim 10**, the Examiner has referred to para. [0015] of Boda, which discloses that "the call server may contact a show representative using SMS." However, Claim 10 recites "*receiving the access code reply message [as an SMS]*," thus the Examiner's rejection is not understood and appears to be *prima facie* improper. *See* OA at 18. Boda does not appear to disclose receiving anything akin to an "*access code reply message*" at a wireless device as already explained above, let alone receiving any such message "*as an [SMS]*." If the Examiner disagrees, then the Examiner is kindly requested to explain the rejection, or else to withdraw it.

In addition, the rejection of **claim 29** is missing from the Office Action. However, there is a *second* rejection of **claim 10** at page 23 of the Office Action, where one would expect a treatment of **claim 29** to be located, therefore it appears that the rejection of **claim 29** is improper for reasons similar to those given above in respect of **claim 10**.

Claims 58, 59 and 85

With regard to **claim 58**, the Examiner has referred to Figure 1 of Boda (*see* p. 43 of the Office action), but Figure 1 fails to disclose any of the subject-matter recited in claim 58. Indeed, Boda fails to disclose "*determining... a local calling area*," let alone "*select[ing] an access code*

associated with... the local calling area," as recited in **claim 58**. With regard to **claim 59** (OA at 43), the Examiner cites paras. [0024]-[0032] of Boda, but none of the cited paragraphs appear to disclose the subject matter recited in **claim 59**, *e.g.*, "*dialing profile*" or "*determining a local calling area*" or "*selecting an access code... matching the local calling area.*" Finally, the rejection of **claim 85** (OA at 49) also appears to be improper for similar reasons. Therefore, withdrawal of the improper rejections of claims 58, 59 and 85 is respectfully requested.

Claim 134

With regard to **claim 134** (OA at 56), the Examiner cites paras. [0024]-[0030] of Boda, but the cited portions fail to disclose the subject-matter of claim 134. There is no disclosure in Boda, even in the cited portions of Boda, of the subject-matter recited in claim 134, such as "*searching an access code association database table to identify an access code*" in the manner claimed, and thus, the Office Action is incomplete with respect to the examination of **claim 134**.

Claim 135

With regard to **claim 135** (OA at 57), the Examiner cites paras. [0020]-[0040] of Boda, but the cited portions of Boda do not disclose the subject-matter of claim 135. Indeed, paragraphs [0035]-[0040] do not exist in Boda, therefore Applicant does not understand the rejection of **claim 135** and respectfully requests that it be fully explained or else withdrawn.

Claims 57 and 83

The rejections of **claims 57** and **83** cite to Boda at paras. [0019]-[0020] and Figure 1 (OA at 32, 48) but the cited portions of Boda do not disclose the subject-matter of claims 57 and 83 therefore the rejections are improper. As already explained above with respect to claim 63, para. [0019] discloses "access information" for use by the call server, but this is clearly ***not*** a disclosure of an "*access code*" as recited in Applicant's claims. Paragraph [0020] of Boda discloses a mobile device sending a request to the call server, however, this is an operation that is distinct from the call server using "access information" to contact the studio. Accordingly, Applicant respectfully submits that the rejections of claims 57 and 83 appears to be improper.

In view of 35 U.S.C. § 112, ¶4 and also in view of the arguments made above, Applicant respectfully requests the withdrawal of all claim rejections and prompt allowance of the claims.

If the Examiner disagrees with any of the Applicant's arguments, then a responsive explanation of the reason for the disagreement would be appreciated to expedite prosecution.

Co-Pending Applications of Assignee

Applicant wishes to draw the Examiner's attention to the following co-pending applications assigned to Applicant's assignee.

Serial No.	Title	Filed
14/853705	Determining A Time To Permit A Communications Session To Be Conducted	Sep. 14, 2015
15/942282	Producing Routing Messages For Voice Over IP Communications	April 2, 2018
15/861572	Intercepting Voice Over IP Communications and Other Data Communications	Jan. 3, 2018
15/421058	Emergency Assistance Calling For Voice Over IP Communications Systems	Jan. 31, 2017
16/030761	Uninterrupted Transmission Of Internet Protocol Transmissions During Endpoint Changes	July 9, 2018

CONCLUSION

Although the present communication includes alterations to and/or characterizations of the claims, Applicant does not concede in this communication that previously pending claims are not patentable over the cited references. Rather, any alterations or characterizations are being made to facilitate expeditious prosecution of this application. Applicant reserves the right to pursue at a later date any previously pending or other broader or narrower claims that capture any subject matter supported by the present disclosure, including subject matter found to be specifically disclaimed herein or by any prior prosecution. Accordingly, reviewers of this or any parent, child or related prosecution history shall not reasonably infer that Applicant has made any disclaimers or disavowals of any subject matter supported by the present application.

Applicant has endeavored to address all of the Examiner's concerns as expressed in the outstanding Office Action. If the Examiner has any outstanding concerns following this response, Applicant respectfully requests an Interview with the Examiner to be able to address any such outstanding concerns as expeditiously as possible.

In light of the above, Applicant respectfully submits that pending claims 1-141 are now in condition for allowance. Applicant requests that the rejections and objections be withdrawn, and that the claims be allowed and passed to issue. If any impediment to the allowance of these claims remains after entry of this Amendment, the Examiner is strongly encouraged to call Sean F. Parmenter at (801) 566-6633 so that such matters may be resolved expeditiously.

The Commissioner is hereby authorized to charge any additional fee or to credit any overpayment in connection with this Amendment to Deposit Account No. 20-0100.

DATED this 22nd day of February, 2019.

Respectfully submitted,

/Sean F. Parmenter/

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SE/jm

Electronic Acknowledgement Receipt	
EFS ID:	35231866
Application Number:	14035806
International Application Number:	
Confirmation Number:	5562
Title of Invention:	MOBILE GATEWAY
First Named Inventor/Applicant Name:	Johan Emil Viktor Björsell
Customer Number:	20551
Filer:	Sean Franklin Parmenter/Jenny Morison
Filer Authorized By:	Sean Franklin Parmenter
Attorney Docket Number:	4278-004.PCT.US.CON1
Receipt Date:	22-FEB-2019
Filing Date:	24-SEP-2013
Time Stamp:	23:02:42
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$1400
RAM confirmation Number	022519INTEFSW23032500
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		OAResponse.pdf	467702 fc9d2e20f0c302adb5f305c4a221d85904ae40f3	yes	43

Multipart Description/PDF files in .zip description		
Document Description	**Start**	**End**
Amendment/Req. Reconsideration-After Non-Final Reject	1	1
Claims	2	26
Applicant summary of interview with examiner	27	27
Applicant Arguments/Remarks Made in an Amendment	28	43

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	30830 ba46db26a457bd96a601091d780cdd49df37a30c	no	2

Warnings:

Information:

Total Files Size (in bytes):	498532

META 1002
META V. VOIP-PAL

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.

META 1002
META V. VOIP-PAL

Electronic Patent Application Fee Transmittal	
Application Number:	14035806
Filing Date:	24-Sep-2013
Title of Invention:	MOBILE GATEWAY
First Named Inventor/Applicant Name:	Johan Emil Viktor Björsell
Filer:	Sean Franklin Parmenter/Jenny Morison
Attorney Docket Number:	4278-004.PCT.US.CON1
Filed as Large Entity	
Filing Fees for Utility under 35 USC 111(a)	

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension - 3 months with $0 paid	1253	1	1400	1400
Miscellaneous:				
			Total in USD ($)	**1400**

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

ART UNIT: 2411 EXAMINER: M. Mostazir Rahman FIRST NAMED INVENTOR: Johan Emil Viktor Björsell SERIAL NO.: 14/035,806 FILED: 9/24/2013 CONF. NO.: 5562 FOR: MOBILE GATEWAY DOCKET NO.: 4278-004.PCT.US.CON1	**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8** DATE OF DEPOSIT: February 22, 2019 I hereby certify that this paper or fee (along with any paper or fee referred to as being attached or enclosed) is being submitted on the date indicated above via: ☒ EFS Web ☐ facsimile to _____ ☐ the United States Postal Service with sufficient postage as first class mail addressed to: Mail Stop _____, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. /Sean F. Parmenter/ Sean F. Parmenter

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AMENDMENT / RESPONSE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In reply to the non-final Office Action dated August 24, 2018, Applicant presents the following amendments and remarks.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Summary of Interview begins on page 27 of this paper.

Remarks begin on page 28 of this paper

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method of establishing communications between a wireless device and a destination node of a communications network, the method comprising:

receiving from a user of the wireless device a destination node identifier associated with the destination node;

transmitting an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device;

receiving an access code reply message from the access server in response to the access code request message, the access code reply message including an access code based on the location identifier in the access code request message, the access code identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, the access code being distinct from the destination node identifier; and

~~establishing communications between~~ in response to receiving the access code reply message, causing the wireless device to use the access code received in the access code reply message to initiate communications from the wireless device to [[and]]the destination node through the channel identified by the access code, wherein the access code is based on the location identifier transmitted in the access code request message and enables the communications to be established from the wireless device to the destination node through the channel on the gateway identified by the access code.

2. (Original) The method of claim 1, wherein transmitting comprises transmitting the access code request message to the access server on a non-voice network.

3. (Original) The method of claim 1, wherein transmitting comprises transmitting the access code request message as a Short Messaging Service (SMS) message.

4. (Original) The method of claim 1, wherein transmitting comprises transmitting the access code request message on a voice network.

5. (Original) The method of claim 4, wherein transmitting the access code request message on a voice network comprises transmitting the access code request message as a Short Messaging Service (SMS) message.

6. (Original) The method of claim 1, wherein the location identifier comprises an Internet Protocol (IP) address of the wireless device in a wireless Internet Protocol (IP) network.

7. (Original) The method of claim 1, wherein the location identifier comprises an identifier of a wireless voice signal station in wireless communication with the wireless device.

8. (Original) The method of claim 1, wherein the location identifier comprises a user-configured identifier of a location associated with the wireless device.

9. (Original) The method of claim 1, wherein receiving the access code reply message comprises receiving the access code reply message from the access server on a non-voice network.

10. (Original) The method of claim 1, wherein receiving the access code reply message comprises receiving the access code reply message as a Short Messaging Service (SMS) message.

11. (Original) The method of claim 1, wherein receiving comprises receiving the access code reply message on a voice network.

12. (Original) The method of claim 11, wherein receiving the access code reply message on a voice network comprises receiving the access code reply message as a Short Messaging Service (SMS) message.

13. (Original) The method of claim 1, wherein receiving the access code reply message comprises receiving, in the access code reply message, an access code temporarily associated with the destination node identifier.

14. (Original) The method of claim 1, wherein receiving the access code reply message comprises receiving, in the access code reply message, a telephone number or an Internet Protocol (IP) address.

15. (Original) The method of claim 14, wherein establishing communications between the wireless device and the destination node comprises engaging a routing controller to route the call on a public switched telephone network (PSTN) or an IP network to the destination node.

16. (Original) The method of claim 1 further comprising:

receiving at the access server, the access code request message from the wireless device;

causing the access server to communicate with a routing controller to obtain from the routing controller the access code, wherein the access code identifies a communications channel associated with the location identifier and wherein the access code is useable by the wireless device in a subsequent communication to cause the routing controller to establish a call to the destination node using the communications channel; and

causing the access server to transmit the access code reply message to the wireless device.

17. (Original) The method of claim 16, wherein transmitting the access code reply message comprises transmitting the access code reply message as a Short Messaging Service (SMS) message.

18. (Original) The method of claim 16, wherein transmitting the access code reply message comprises transmitting the access code reply message on a voice network.

19. (Original) The method of claim 18, wherein transmitting the access code reply message on a voice network comprises transmitting the access code request message as a Short Messaging Service (SMS) message.

20. (Currently amended) A wireless apparatus comprising:

means for receiving from a user of the wireless apparatus a destination node identifier associated with a destination node with which the user wishes to communicate;

means for transmitting an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless apparatus;

means for receiving an access code reply message from the access server in response to the access code request message, the access code reply message including an access code based on the location identifier in the access code request message, the access code identifying a communications channel on a gateway through which communications between the wireless apparatus and the destination node can be conducted, the access code being distinct from the destination node identifier; and

means for ~~establishing communications between~~causing the wireless apparatus to establish communications [[and]]with the destination node through the communications channel identified by the access code in the access code reply message, the access code being based on the location identifier transmitted in the access code request message.

21. (Previously presented) The apparatus of claim 20, wherein the means for transmitting comprises a non-voice network interface for transmitting the access code request message to the access server on a non-voice network.

22. (Original) The apparatus of claim 20, wherein the means for transmitting includes means for transmitting the access code request message as a Short Messaging Service (SMS) message.

23. (Original) The apparatus of claim 20, wherein the means for transmitting comprises means for transmitting the access code request message on a voice network.

24. (Original) The apparatus of claim 23, wherein the means for transmitting the access code request message on a voice network comprises means for transmitting the access code request message as a Short Messaging Service (SMS) message.

25. (Original) The apparatus of claim 20, wherein the location identifier comprises an Internet Protocol (IP) address of the wireless apparatus in a wireless IP network.

26. (Original) The apparatus of claim 20, wherein the location identifier comprises an identifier of a wireless voice signal station in wireless communication with the wireless apparatus.

27. (Original) The apparatus of claim 20, wherein the location identifier comprises a user-configured identifier of a location associated with the wireless apparatus.

28. (Original) The apparatus of claim 20, wherein the means for receiving an access code reply message comprises a non-voice network interface for receiving the access code reply message on a non-voice network.

29. (Original) The apparatus of claim 20, wherein the means for receiving the access code request message comprises means for receiving the access code request message as a Short Messaging Service (SMS) message.

30. (Original) The apparatus of claim 20, wherein the means for receiving comprises means for receiving the access code request message on a voice network.

31. (Original) The apparatus of claim 30, wherein the means for receiving the access code request message on a voice network comprises means for receiving the access code request message as a Short Messaging Service (SMS) message.

32. (Original) The apparatus of claim 20, wherein the access code includes a telephone number or an IP address.

33. (Original) The wireless apparatus of claim 20, wherein the means for establishing communications comprises a mobile telephone network interface.

34. (Previously presented) A system for enabling roaming by a wireless apparatus, the system comprising the wireless apparatus of claim 20 and further comprising:

a routing controller;

the access server, wherein the access server comprises:

means for receiving from the wireless apparatus the access code request message;

means for communicating with the routing controller to obtain from the routing controller the access code wherein the access code identifies a communications channel associated with the location identifier and wherein the access code is useable by the wireless apparatus to cause the routing controller to establish a call to the destination node using the communications channel; and

means for transmitting the access code reply message including the access code to the wireless apparatus.

35. (Original) The system of claim 34, wherein the means for transmitting the access code reply message comprises means for transmitting the access code reply message as a Short Messaging Service (SMS) message.

36. (Original) The system of claim 34, wherein the means for transmitting the access code reply message comprises means for transmitting the access code reply message on a voice network.

37. (Original) The system of claim 36, wherein the means for transmitting the access code reply message on a voice network comprises means for transmitting the access code request message as a Short Messaging Service (SMS) message.

38. (Currently amended) A wireless apparatus comprising:

a processor circuit comprising at least one processor;

a network interface in communication with the processor circuit; and

a non-transitory computer readable medium having computer executable codes stored thereon for directing the processor circuit to ~~cooperate with the network interface to~~:

receive from a user of the wireless apparatus a destination node identifier associated with a destination node with which the user wishes to communicate;

transmit an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless apparatus;

receive an access code reply message from the access server in response to the access code request message, the access code reply message including an access code based on the location identifier in the access code request message, the access code identifying a communications channel on a gateway through which communications between the wireless apparatus and the destination node can be conducted, the access code being distinct from the destination node identifier; and

initiate communications from the wireless apparatus, via the network interface, using the access code based on the location identifier, to establish communications between the wireless apparatus and the destination node through the communications channel identified by the access code.

39. (Original) The apparatus of claim 38, wherein the network interface comprises a non-voice network interface, and wherein the codes for directing the processor circuit to cause the access code request message to be transmitted include codes for directing the processor circuit to cause the access code request message to be transmitted to the access server using the non-voice network interface on a non-voice network.

40. (Original) The apparatus of claim 38, wherein the codes for directing the processor circuit to cause an access code to be transmitted to the access code server include codes for directing the processor circuit to cause the access code request message to be transmitted as a Short Messaging Service (SMS) message.

41. (Original) The apparatus of claim 38, wherein the network interface comprises a voice network interface and wherein the codes for directing the processor circuit to cause an access code to be transmitted to the access code server include codes for directing the processor circuit to cause the access code request message to be transmitted on a voice network.

42. (Original) The apparatus of claim 41, wherein the codes for directing the processor circuit to cause an access code to be transmitted to the access code server include codes for directing the processor circuit to cause the access code request message to be transmitted as a Short Messaging Service (SMS) message on the voice network.

43. (Original) The wireless apparatus of claim 38, wherein the location identifier comprises an Internet Protocol (IP) address of the wireless apparatus in a wireless IP network.

44. (Original) The wireless apparatus of claim 38, wherein the location identifier comprises an identifier of a wireless voice signal station in wireless communication with the wireless apparatus.

45. (Original) The wireless apparatus of claim 38, wherein the location identifier comprises a user-configured identifier of a location associated with the wireless apparatus.

46. (Original) The wireless apparatus of claim 38, wherein the network interface comprises a non-voice network interface, and wherein the codes for directing the processor circuit to receive an access code reply message include codes for directing the processor circuit to cause the access code reply message to be received from the access server using the non-voice network interface on a non-voice network.

47. (Original) The wireless apparatus of claim 38, wherein the access code includes a telephone number or an IP address.

48. (Previously presented) The wireless apparatus of claim 38, wherein the network interface comprises a mobile telephone network interface, and wherein the codes for directing the processor circuit to establish communications between the wireless apparatus and the destination

node to include codes for directing the processor circuit to cause a call to be initiated using the mobile telephone network interface on a mobile telephone network.

49. (Original) A system for enabling roaming by a wireless apparatus, the system comprising the wireless apparatus of claim 38 and further comprising:

a routing controller; and

an access server comprising a processor circuit and a computer readable medium in communication with the processor circuit, the computer readable medium encoded with codes for directing the processor circuit of the access server to:

receive the access code request message from the wireless apparatus;

communicate with the routing controller to obtain from the routing controller the access code wherein the access code identifies a communications channel associated with the location identifier and wherein the access code is useable by the wireless apparatus to cause the routing controller to establish a call to the destination node using the communications channel; and

transmit the access code reply message to the wireless apparatus.

50. (Currently amended) A non-transitory computer readable medium having stored thereon computer executable codes for directing a processor circuit of a wireless device to establish communications with a destination node on a network, the codes comprising codes for directing the processor circuit to:

cause the wireless device to receive from a user of the wireless device a destination node identifier associated with the destination node;

cause the wireless device to transmit an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device;

cause the wireless device to receive an access code reply message comprising an ~~Internet Protocol (IP) address from the access server in response to the access code request message, the access code reply message including an access code based on the location identifier in the access code request message, the~~ access code identifying an Internet Protocol

(IP) address based on the location identifier in the access code request message, the access code representing a communications channel of a network element in the network ~~on a gateway~~ through which communications between the wireless device and the destination node can be conducted, the communications channel being associated with the geographical location of the wireless device, the access code being distinct from the destination node identifier; and

cause the wireless device to use the access code comprising the Internet Protocol (IP) address based on the location identifier to establish communications between the wireless device and the destination node through the communications channel of the network element identified by the access code.

51. (Currently amended) A method for enabling a wireless device to establish communications with a destination node, the method comprising:

receiving from the wireless device an access code request message including a destination node identifier associated with the destination node and a location identifier identifying a geographical location of the wireless device;

in response to receiving the access code request message, causing a routing controller to produce an access code identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, ~~wherein~~ the access code being ~~is produced~~ based on the location identifier of the access code request message received from the wireless device[[and]], wherein the access code is useable by the wireless device to initiate communications with the destination node through the communications channel; and

transmitting, to the wireless device, an access code reply message including the access code based on the location identifier~~to the wireless device~~, to cause the wireless device to use the access code to initiate communications with the destination node through the communications channel.

52. (Original) The method of claim 51, wherein receiving comprises receiving the access code request message on a non-voice network.

53. (Original) The method of claim 51, wherein receiving the access code request message comprises receiving the access code request message as a Short Messaging Service (SMS) message.

54. (Original) The method of claim 51, wherein receiving comprises receiving the access code request message on a voice network.

55. (Original) The method of claim 54, wherein receiving the access code request message on a voice network comprises receiving the access code request message as a Short Messaging Service (SMS) message.

56. (Original) The method of claim 51, wherein the routing controller is operably configured to route a call between the wireless device and the destination node when the wireless device uses the access code to establish communications between the wireless device and the destination node.

57. (Original) The method of claim 51, wherein causing the routing controller to produce the access code comprises causing the access code to be selected from a pool of access codes.

58. (Original) The method of claim 57 further comprising determining from the location identifier a local calling area associated with the wireless device and causing the access server to select an access code associated with a calling area matching the local calling area associated with the wireless device.

59. (Original) The method of claim 57, further comprising accessing a location field of a dialing profile associated with the wireless device when a local calling area cannot be determined from the location identifier and determining a local calling area associated with the wireless device from the contents of the location field and selecting an access code associated with a calling area matching the local calling area associated with the wireless device.

60. (Original) The method of claim 51, wherein the location identifier comprises an Internet Protocol (IP) address of the wireless device in a wireless IP network.

61. (Original) The method of claim 51, wherein the location identifier comprises an identifier of a wireless voice signal station in wireless communication with the wireless device.

62. (Original) The method of claim 51, wherein the location identifier comprises a user-configured identifier of a location associated with the wireless device.

63. (Original) The method of claim 57, wherein at least one of the access codes in the pool of access codes identifies an IP network address as a possible communications channel through which the communications can be conducted.

64. (Previously presented)The method of claim 51, wherein the access code identifies an IP network address as a possible communications channel through which the communications can be conducted, the method further comprising enabling communications between the wireless device and the destination node to be established through an IP network in response to a call received at the IP network address from the wireless device using the access code identifying the IP network address.

65. (Original) The method of claim 57, wherein at least one of the access codes identifies a telephone number as a possible communications channel through which the communications can be conducted.

66. (Original) The method of claim 65, further comprising enabling communications between the wireless device and the destination node to be established through a public switched telephone network (PSTN) in response to a call received at the telephone number from the wireless device using the access code identifying the telephone number.

67. (Original) The method of claim 51, wherein the access code request message includes a caller identifier and wherein the method further comprises associating the caller identifier included in the access code request message with the access code produced by the routing controller.

68. (Original) The method of claim 64, further comprising enabling the routing controller to facilitate communications in response to use of the access code by the wireless device only if the caller identifier associated with the access code used by the wireless device to establish communications with the destination node identifies the wireless device.

69. (Original) The method of claim 67, further comprising associating the destination node identifier included in the access code request message with the access code produced by the routing controller.

70. (Original) The method of claim 69, wherein the associating the caller identifier and the destination node identifier with the selected access code occurs only when:

a) the access code is not already associated with a destination node identifier; or

b) the access code is already associated with another destination node identifier, and a timeout value associated with the another destination node identifier has expired.

71. (Original) The method of claim 51, further comprising causing a timestamp to be associated with the access code, for use in determining when the usability of the access code to initiate a call to the destination node will expire, and causing the timestamp to be included in the access code reply message transmitted to the wireless device.

72. (Original) The method of claim 70, further comprising causing communications to be permitted between the wireless device and the destination node when the wireless device seeks to establish a call to the destination node using the access code transmitted in the access code reply message when the timestamp associated with the access code indicates the usability of the access code has not expired, and causing the communications to be prevented when the timestamp indicates the usability of the access code has expired.

73. (Original) The method of claim 51, wherein transmitting comprises transmitting the access code reply message on a non-voice network.

74. (Original) The method of claim 51, wherein transmitting the access code reply message comprises transmitting the access code reply message as a Short Messaging Service (SMS) message.

75. (Original) The method of claim 51, wherein transmitting comprises transmitting the access code reply message on a voice network.

76. (Original) The method of claim 75, wherein transmitting the access code reply message on a voice network comprises transmitting the access code reply message as a Short Messaging Service (SMS) message.

77. (Currently amended) An apparatus for enabling a wireless device to establish communications with a destination node, the apparatus comprising:

means for receiving from the wireless device an access code request message including a destination node identifier associated with the destination node and a location identifier identifying a geographical location of the wireless device;

means for causing a routing controller to produce an access code identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, in response to receiving the access code request message, such that the access code is produced based on the location identifier of the access code request message received from the wireless device and such that the access code is useable by the wireless device to initiate communications with the destination node through the [[ ]]communications channel; and

means for transmitting an access code reply message including the access code to the wireless device, wherein the access code in the access code reply message is based on the location identifier and is used by the wireless device to initiate communications with the destination node through the communication channel on the gateway.

78. (Original) The apparatus of claim 77, wherein the means for receiving comprises a non-voice network interface for receiving the access code request message on a non-voice network.

79. (Original) The apparatus of claim 77, wherein the means for receiving the access code request message comprises means for receiving the access code request message as a Short Messaging Service (SMS) message.

80. (Original) The apparatus of claim 77, wherein the means for receiving comprises means for receiving the access code request message on a voice network.

81. (Original) The apparatus of claim 80, wherein the means for receiving the access code request message on a voice network comprises means for receiving the access code request message as a Short Messaging Service (SMS) message.

82. (Original) The apparatus of claim 77, further comprising the routing controller and wherein routing controller is operably configured to route a call between the wireless device and the destination node.

83. (Original) The apparatus of claim 82, wherein the routing controller is operably configured to select the access code from a pool of access codes.

84. (Original) The apparatus of claim 83, wherein the routing controller is operably configured to determine a local calling area associated with the wireless device from the location identifier and to select an access code associated with a calling area matching the local calling area associated with the wireless device.

85. (Original) The apparatus of claim 83, further comprising:

a dialing profile associated with the wireless device, the dialing profile including a location field; and

wherein the routing controller is operably configured to determine a local calling area associated with the wireless device from the contents of the location field and to select an access code associated with a calling area matching the local calling area associated with the wireless device, when a local calling area associated with the wireless device cannot be determined from the location identifier.

86. (Original) The apparatus of claim 77, wherein the location identifier includes an Internet Protocol (IP) address of the wireless device in a wireless IP network.

87. (Original) The apparatus of claim 77, wherein the location identifier includes an identifier of a wireless voice signal station in wireless communication with the wireless device.

88. (Original) The apparatus of claim 77, wherein the location identifier includes a user-configured identifier of a location associated with the wireless device.

89. (Original) The apparatus of claim 83, wherein at least one of the access codes in the pool of access codes identifies an IP network address as a possible communications channel through which the communications can be conducted.

90. (Previously presented) The apparatus of claim 77, wherein the access code identifies an IP network address as a possible communications channel through which the communications can be conducted, and wherein the routing controller is operably configured to enable communications between the wireless device and the destination node to be established through an IP network in response to a call received at the IP network address from the wireless device using the access code identifying the IP network address.

91. (Original) The apparatus of claim 83, wherein at least one of the access codes in the pool of access codes identifies a telephone number as a possible communications channel through which the communications can be conducted.

92. (Original) The apparatus of claim 91, wherein the routing controller is operably configured to enable communications between the wireless device and the destination node to be established through a public switched telephone network (PSTN) in response to a call received at the telephone number from the wireless device using the access code identifying the telephone number.

93. (Original) The apparatus of claim 83, wherein the access code request message includes a caller identifier and wherein the routing controller is operably configured to associate the caller identifier with the selected access code.

94. (Original) The apparatus of claim 93, wherein the routing controller is operably configured to facilitate communications between the wireless device and the destination node in response to use of the access code by the wireless device only if the caller identifier associated with the access code used by the wireless device to establish communications with the destination node identifies the wireless device.

95. (Original) The apparatus of claim 93, wherein the routing controller is operably configured to associate the destination node identifier included in the access code request message with the selected access code.

96. (Original) The apparatus of claim 95, wherein the routing controller is operably configured to associate the caller identifier and the destination node identifier with the selected access code only when:

a) the access code is not already associated with a destination node identifier; or

b) the access code is already associated with another destination node identifier, and a timeout value associated with the another destination node identifier has expired.

97. (Original) The apparatus of claim 82, wherein the routing controller is operably configured to associate a timestamp with the access code, for use in determining when the usability of the access code to initiate a call to the destination node will expire, and to cause the timestamp to be included in the access code reply message transmitted to the wireless device.

98. (Original) The apparatus of claim 97, wherein the routing controller is operably configured to enable communications to be established between the wireless device and the destination node when the wireless device seeks to establish a call to the destination node using the access code transmitted in the access code reply message when the timestamp associated with the access code indicates the usability of the access code has not expired and to prevent the communications from being established when the timestamp indicates the usability of the access code has expired.

99. (Original) The apparatus of claim 77, wherein the means for transmitting comprises a non-voice network interface for transmitting the access code reply message on a non-voice network.

100. (Original) The apparatus of claim 77, wherein the means for transmitting the access code reply message comprises means for transmitting the access code reply message as a Short Messaging Service (SMS) message.

101. (Original) The apparatus of claim 77, wherein the means for transmitting comprises means for transmitting the access code reply message on a voice network.

102. (Previously presented) The apparatus of claim 101, wherein the means for transmitting the access code reply message on a voice network comprises means for transmitting the access code reply message as a Short Messaging Service (SMS) message.

103. (Currently amended) An apparatus for enabling a wireless device to establish communications with a destination node, the apparatus comprising:

a processor circuit including at least one processor;

a network interface in communication with the processor circuit; and

a non-transitory computer readable medium having stored thereon computer executable codes for directing the at least one processor to:

receive from the wireless device an access code request message including a destination node identifier associated with the destination node and a location identifier identifying a geographical location of the wireless device;

cause a routing controller to produce an access code identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, in response to receiving the access code request message, such that the access code is produced based on the location identifier of the access code request message received from the wireless device and such that the access code is useable by the wireless device to initiate communications with the destination node through the communications channel; and

transmit an access code reply message including the access code to the wireless device, wherein the access code in the access code reply message is based on the location identifier and is used by the wireless device to initiate communications with the destination node through the communication channel.

104. (Original) The apparatus of claim 103, wherein the network interface comprises a non-voice network interface, and wherein the codes for directing the processor circuit to receive include codes for directing the processor circuit to cause the access code request message to be received using the non-voice network interface on a non-voice network.

105. (Original) The apparatus of claim 103, wherein the codes includes codes for directing the processor circuit to receive the access code request message as a Short Messaging Service (SMS) message.

106. (Original) The apparatus of claim 103, wherein the codes include codes for directing the processor circuit to receive the access code request message on a voice network.

107. (Original) The apparatus of claim 106, wherein the codes include codes for directing the processor circuit to receive the access code request message as a Short Messaging Service (SMS) message.

108. (Original) The apparatus of claim 103 further comprising the routing controller.

109. (Previously presented) The apparatus of claim 108, wherein the routing controller is operably configured to cause the access code to be selected from a pool of access codes, wherein none of the access codes in the pool of access codes identifies a respective telephone number.

110. (Original) The apparatus of claim 109, wherein the routing controller is operably configured to determine from the location identifier a local calling area associated with the wireless device and to select an access code associated with a calling area matching the local calling area associated with the wireless device.

111. (Original) The apparatus of claim 109, wherein the routing controller is operably configured to access a location field of a dialing profile associated with the wireless device when a local calling area cannot be determined from the contents of the location identifier and to determine a local calling area associated with the wireless device from the contents of the location field and to select an access code associated with a calling area matching the local calling area associated with the wireless device.

112. (Original) The apparatus of claim 103, wherein the location identifier comprises an Internet Protocol (IP) address of the wireless device in a wireless IP network.

113. (Original) The apparatus of claim 103, wherein the location identifier comprises an identifier of a wireless voice signal station in wireless communication with the wireless device.

114. (Original) The apparatus of claim 103, wherein the location identifier comprises a user-configured identifier of a location associated with the wireless device.

115. (Original) The apparatus of claim 109, wherein at least one of the access codes in the pool of access codes identifies an IP network address as a possible communications channel through which the communications can be conducted.

116. (Previously presented) The apparatus of claim 103, wherein the access code identifies an IP network address as a possible communications channel through which the communications can be conducted, and wherein the routing controller is operably configured to enable communications between the wireless device and the destination node to be established through an IP network in response to a call received at the IP network address from the wireless device using the access code identifying the IP network address.

117. (Previously presented) The apparatus of claim 108, wherein the routing controller is operably configured to cause the access code to be selected from a pool of access codes, and wherein at least one of the access codes in the pool of access codes identifies a telephone number as a possible communications channel through which the communications can be conducted.

118. (Original) The apparatus of claim 117, wherein the routing controller is operably configured to enable communications between the wireless device and the destination node to be established through a public switched telephone network (PSTN) in response to a call received at the telephone number from the wireless device using the access code identifying the telephone number.

119. (Previously presented) The apparatus of claim 108, wherein the access code request message includes a caller identifier and wherein the routing controller is operably configured to associate the caller identifier included in the access code request message with an access code selected by the routing controller.

120. (Previously presented) The apparatus of claim 119, wherein the routing controller is operably configured to facilitate communications between the wireless device and the destination node in response to the access code used by the wireless device only if the caller identifier associated with the access code used by the wireless device to establish communications with the destination node identifies the wireless device.

121. (Original) The apparatus of claim 119, wherein the routing controller is operably configured to associate the destination node identifier included in the access code request message with the selected access code.

122. (Original) The apparatus of claim 121, wherein the routing controller is operably configured to associate the caller identifier and the destination node identifier with the selected access code only when:

a) the access code is not already associated with another destination node identifier; or

b) the access code is already associated with a destination node identifier, and a timeout value associated with the another destination node identifier has expired.

123. (Original) The apparatus of claim 122, wherein the routing controller is operably configured to associate a timestamp with the access code, for use in determining when the usability

of the access code to initiate a call to the destination node will expire, and to cause the timestamp to be included in the access code reply message.

124. (Previously presented) The apparatus of claim 103, wherein the routing controller is operably configured to enable communications to be established between the wireless device and the destination node when the wireless device seeks to establish a call to the destination node using the access code transmitted in the access code reply message when a timestamp associated with the access code indicates that usability of the access code has not expired and to prevent the communications from being established when the timestamp indicates that the usability of the access code has expired.

125. (Original) The apparatus of claim 103, wherein the network interface comprises a non-voice network interface, and wherein codes for directing the processor circuit to transmit include codes for directing the processor circuit to cause the access code reply message to be transmitted using the non-voice network interface on a non-voice network.

126. (Original) The apparatus of claim 103, wherein the codes include codes for directing the processor circuit to cause the access code reply message to be transmitted as a Short Messaging Service (SMS) message.

127. (Original) The apparatus of claim 103, wherein the codes include codes for directing the processor circuit to cause the access code reply message to be transmitted on a voice network.

128. (Original) The apparatus of claim 127, wherein the codes include codes for directing the processor circuit to cause the access code reply message to be transmitted as a Short Messaging Service (SMS) message.

129. (Currently amended) A non-transitory computer readable medium encoded with computer executable codes for directing a processor circuit of a wireless device to establish

communications with a destination node, the codes comprising codes for directing the processor circuit to:

receive from the wireless device an access code request message including a destination node identifier associated with the destination node and a location identifier identifying a geographical location of the wireless device;

cause a routing controller to produce an access code comprising an Internet Protocol (IP) network address identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, in response to receiving the access code request message, such that the access code is produced based on the location identifier of the access code request message received from the wireless device and such that the access code is useable by the wireless device to initiate communications with the destination node through the communications channel; and

transmit an access code reply message including the access code to the wireless device, wherein the Internet Protocol (IP) address of the access code is based on the location identifier and is used by the wireless device to initiate communications with the destination node through the communication channel on the gateway.

130. (Currently amended) A method of operating an apparatus for enabling a wireless device to establish communications with a destination node, the method comprising:

receiving from the wireless device a request message including a destination node identifier associated with the destination node and a location identifier associated with a geographical location of the wireless device, wherein the location identifier comprises a[[n]] first Internet Protocol (IP) address associated with the wireless device;

in response to receiving the request message, producing an access code identifying a[[n]] second Internet Protocol (IP) address associated with a ~~gateway~~ IP network communication device through which communications between the wireless device and the destination node can be conducted, wherein the access code is produced based on the location identifier received from the wireless device, wherein the access code is useable by the wireless device to initiate communications with the destination node through the IP network communication device~~gateway~~; and

transmitting a reply message including the access code to the wireless device, wherein the second Internet Protocol (IP) address is based on the location identifier and is used by the wireless device to initiate communications with the destination node through the communication channel on the IP network communication device.

131. (Previously presented) The method of claim 130 wherein the access code is produced based on the destination node identifier.

132. (Previously presented) The method of claim 131 wherein the destination node identifier comprises a phone number associated with the destination node.

133. (Previously presented) The method of claim 130 further comprising, if the destination node is a PSTN telephone on the public switched telephone network (PSTN), establishing communications from the wireless device to a communications supplier gateway operable to connect to the PSTN telephone via the public switched telephone network (PSTN).

134. (Previously presented) The method of claim 51, wherein causing the routing controller to produce the access code further comprises:

determining, from the location identifier, a current location of the wireless device; and

searching an access code association database table to identify an access code associated with the current location of the wireless device but not presently associated with communications to any destination node, to produce the access code transmitted in the access code reply message.

135. (Previously presented) The method of claim 1 wherein the access code request message is transmitted from the wireless device via a WiFi network and the access code reply message is received by the wireless device via the WiFi network.

136. (Previously presented) The method of claim 1, wherein the destination node identifier and the location identifier are transmitted at the same time.

137. (Currently amended) The method of claim 51, wherein the access code is based on an area code corresponding [[with]]to a location identified by the location identifier.

138. (Previously presented) The method of claim 51, wherein the access code reply message identifies an Internet Protocol (IP) network address of the communications channel through which the communications can be conducted, wherein the access code is useable by the wireless device to initiate the communications with the destination node through the communications channel.

139. (Previously presented) The apparatus of claim 103, wherein the access code reply message identifies an Internet Protocol (IP) network address associated with the communications channel through which the communications can be conducted, wherein the Internet Protocol (IP) network address is useable by the wireless device to initiate the communications with the destination node through the communications channel.

140. (Previously presented) The method of claim 1, further comprising:

(a) receiving, in the access code reply message, an Internet Protocol (IP) address; and

(b) establishing the communications between the wireless device and the destination node based on the Internet Protocol (IP) address received in the access code reply message.

141. (Previously presented) The method of claim 1, wherein the access code received in the access code reply message does not comprise a telephone number.

SUMMARY OF INTERVIEW

Attendees, Date and Type of Interview

A telephonic interview was conducted on December 18, 2018 and attended by Examiner M. Mostazir Rahman, Supervisory Examiner Andrew Lai, and Applicant's representative, Sean Parmenter, Reg. No. 53,437. Also included via telephone was David Gileff, Reg. No. 56,494.

Identification of Claims Discussed

Independent claims 38, 51 and 130 were discussed.

Identification of Cited/Disclosed Art Discussed

U.S. Patent Publication No. 2003/0114145A1 ("Boda")

Principal Arguments and Other Matters

The applied references do not disclose all the elements of the claims.

Results of Interview

No agreement was reached as to the patentability of the claims.

REMARKS

In response to the Office Action dated August 24, 2018, no claims are canceled or added and claims 1, 20, 38, 50, 51, 77, 103, 129, 130, 137 have been amended.

Following the Interview, Applicant reiterates its position that the cited references, whether individually or in combination, fail to disclose the subject-matter of the previous claims, thus the amendments made herein are not made to overcome the cited art; however, it is believed that they should improve the clarity of the claims and correct some minor typographical errors.

Thus, claims 1-141 are pending and favorable consideration thereof is respectfully requested. Claims 1, 20, 38, 50, 51, 77, 103, 129 and 130 are the independent claims.

Information Disclosure Statements

Applicant respectfully submits that the three sheets of Information Disclosure Statements filed on October 20, 2016 have not yet been acknowledged and requests consideration thereof.

Previous Rejections Withdrawn

Applicant thanks the Examiner for withdrawing the rejections based on combinations involving the Fukasaku and D'Evelyn references, discussed in Applicant's previous paper.

Interview

Applicant thanks the Examiner and the Examiner's supervisor for the interview on Dec. 18, 2018. Given that no agreement was reached, Applicant submits these further remarks.

Discussion of Claim Rejections under 35 U.S.C. §103(a)

Claims 1-137 have been rejected under pre-*AIA* 35 U.S.C. 103(a) as being unpatentable over US20080056235A1 ("Albina") in view of US20030114145A1 ("Boda").

The standard for obviousness has been addressed by the Supreme Court in *KSR International Co. v. Teleflex Inc.* 127 S. Ct. 1727 (2007) (hereinafter, "KSR"). In *KSR*, the Supreme Court affirmed that the factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1 (1966), form the basis of the obviousness inquiry. Accordingly, obviousness is a question

of law based on underlying factual inquiries. The *Graham* factual inquiries are: (1) determining the scope and content of the prior art; (2) ascertaining the differences between the claimed invention and the prior art; (3) resolving the level of ordinary skill in the pertinent art; and (4) considering objective evidence indicating obviousness or non-obviousness.

With reference to at least the second *Graham* factual inquiry, Applicant respectfully submits that important differences exist between the claimed invention and the cited prior art, as will be explained below, and in view of these differences, it is respectfully submitted that the cited prior art references do not provide a proper basis for a rejection under 35 U.S.C. § 103(a).

The Court in *KSR* also indicated that a proper finding of obviousness requires an explicit analysis based on an "apparent reason to combine the known elements *in the fashion* claimed by the patent at issue", and has warned against basing such an analysis on hindsight. *KSR*, pp. 14 and 17.

Applicant respectfully submits that the current Office Action overlooks that the proposed combination of Albina and Boda fails to supply all the elements recited in Applicant's claims and thus the proposed combination is incapable of rendering the claimed invention obvious. Further, there is insufficient explanation of how or why the cited references would have been combined.

Boda

Boda discloses a system for an audience member to participate in a call-in show (e.g., a broadcast program) by using a "mobile device" to send a "request to contact [the] show" to a "call server." *See* Abstract of Boda. Optionally, the request may include "location information" to allow the show representative to introduce the user to the show's general audience. *See* paras. [0023] and [0030]. The call server "forwards the request to a show representative," in order to "screen[] calls and provides automated responses." *See* Abstract. When the show "accepts a request to contact the show, the call server initiates a connection" between the "mobile device" of the audience member and a "telephone associated with the show". *Id. See also* para. [0026]. The call may be initiated by the call server immediately or at a predefined time; for example, if the show announces to the audience member, "Thanks for your call, your turn is 10 minutes from now" (*see* para. [0024]), the call server may initiate/establish the connection between the audience member's mobile device and the show after a delay of ten minutes (*see* para. [0026]).

Independent Claims 1 and 51

Independent Claims 1 and 51, as amended, recite:

1. A method of establishing communications between a wireless device and a destination node of a communications network, the method comprising:

receiving from a user of the wireless device a destination node identifier associated with the destination node;

transmitting an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device;

receiving an access code reply message from the access server in response to the access code request message, the access code reply message including an access code based on the location identifier in the access code request message, the access code identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, the access code being distinct from the destination node identifier; and

in response to receiving the access code reply message, causing the wireless device to use the access code received in the access code reply message to initiate communications from the wireless device to the destination node through the channel identified by the access code, wherein the access code is based on the location identifier transmitted in the access code request message and enables the communications to be established from the wireless device to the destination node through the channel on the gateway identified by the access code.

[emphasis added]

51. A method for enabling a wireless device to establish communications with a destination node, the method comprising:

receiving from the wireless device an access code request message including a destination node identifier associated with the destination node and a location identifier identifying a geographical location of the wireless device;

in response to receiving the access code request message, causing a routing controller to produce an access code identifying a communications channel on a gateway through which communications between the wireless device and the destination node can be conducted, the access code being based on the location identifier of the access code request message received from the wireless device, wherein the access code is useable by the wireless device to initiate communications with the destination node through the communications channel; and

transmitting, to the wireless device, an access code reply message including the access code based on the location identifier, to cause the wireless device to use the access code to initiate communications with the destination node through the communications channel.

[emphasis added]

Claim 51 has been rejected "for the same reason as set forth in claim 1" (*see* Office action at 41). While only Claims 1 and 51 are quoted above, independent Claims 20, 38, 50, 77, 103, 129 and 130 recite similar claim elements, thus the arguments below apply *mutatis mutandis*.

***

Referring to independent **Claim 1**, the Examiner states that, "Albina appears silent on '*transmitting an access code request message to an access server[,] the access code request message including the destination node identifier and a location identifier identifying a geopgraphical location of the wireless device* [and] '*the access code reply message including an access code based on the location identifier in the access code request message*,'" as recited in Claim 1. *See* the Office action ("OA") at 14. However, the Examiner asserts that the aforesaid claim elements were allegedly "known in the art… as shown by Boda". *Id.* With regard to the second above-cited claim element, the Examiner relies for support on paras. [0025]-[0026] of Boda, which, according to the Examiner, disclose the call server sending a predefined "response" based on "demographic information" back to the "mobile device from which the initial command to contact the show was received" and that the call server "establishes a connection between the audience member's mobile device and a telephone associated with the show." *See* OA at 15.

However, the specific functionality cited in Boda by the Examiner (*i.e.*, in paras. [0025]-

[0026] of Boda) nevertheless fails to provide an "*access code reply message including an access code based on the location identifier in the access code request message*," wherein the "*access code*" is used to "*establish[] communications*," as recited in claim 1. Likewise, the cited functionality of Boda fails to provide an "*access code reply message*" including an "*access code*" that was produced "*based on the location identifier of the access code request message*" wherein "*the access code is useable by the wireless device to initiate communications with the destination node through the communications channel*," as recited in claim 51.

First, the predefined "response" that is sent in Boda is explained in para. [0024]: this is an "announcement" to the audience member as to what decision was made by the show regarding the audience member's call request. Predefined responses include responses that "immediately accept the request," "immediately reject the request," or "store the request… in queues", etc., for example, "Thanks for your call, your turn is 10 minutes from now." *See* para. [0024]. Notably, the announcement that informs the audience member of his or her request's status *does not itself establish a call*. For example, the announcement, "Thanks for your call, your turn is 10 minutes from now," clearly implies that the call will ***not*** be established at the present time. *Id. See also* para. [0026] (disclosing that "when the show host accepts a request but ***informs*** the requesting audience member that the delay is ten minutes, the call server may wait ten minutes before initiating a connection"). *See also id.* at para. [0026] and steps 213 and 217 of Fig. 2, which disclose that the call server sends the response to the audience member (in step 213) ***before*** the connection to the audience member is established (in step 217). Clearly, the initial "response" in step 213 is merely informational and has ***nothing to do with establishing the connection*** between audience member and show in step 217. Indeed, Boda expressly states that step 213 is optional (para. [0027]). Boda's system can still work even if it entirely omits the "response" to the audience member in step 213. The decision to "accept or reject" a request can alternatively be made by a "computer" according to "predefined criteria," which include "demographic information," as alluded to by the Examiner. *See* para. [0025]. But this does not change the basic fact that the "response" in step 213 is ***(1)*** merely informational, ***(2)*** has nothing to do with establishing the connection, and, ***(3)*** indeed, is entirely optional, as already discussed above. Thus, the "response" in step 213 is ***not*** a disclosure of an "*access code reply message*" including an "*access code*" that is useable to "*establish[] communications,*" as recited in claim 1. Even for

this reason alone, the combination of Albina with Boda already fails to render claim 1 obvious.

Second, the "response" sent does not contain an "*access code based on the location identifier in the access code request message,*" as recited in claim 1. The Examiner indicates the "response" may be based on "demographic information." *See* OA at 15. But "demographic information" does not appear to be related to any "location identifier". Rather, "demographic information" relates to identifying personal characteristics of a caller such as "age" and "gender" for the purpose of screening out callers which are inapplicable to a show's theme. *See* paras. [0022] and [0004]. For example, men could be screened out from participating in a call-in show themed for women only. This has nothing to do with a "location identifier." Perhaps the Examiner inadvertently misread "*demographic* information" in para. [0025] as being "*geographic* [location] information," however, these two concepts are distinct. Boda does not disclose that the response in step 213 contains anything (let alone an "*access code*") based on a "*location identifier*," thus the "response" is not a disclosure of an "*access code reply message*." As discussed, the response is merely status information, does not serve to establish a connection, and is optional (and unnecessary) to the operation of Boda's system in its primary embodiment. Indeed, Boda discloses that the purpose of receiving "location information" at the call server in some embodiments is merely to allow the "show representative" to "introduce the user to the show's general audience". *See* para. [0023]. Introducing a caller to a show's general audience is a well-known and typical feature of call-in shows. For example, a radio show host could announce, "I now have Andrew on the line from Los Angeles—welcome, Andrew!" That seems to be the *only* use of "location information" disclosed by Boda, thus Boda is unable to cure the deficiencies ascribed to Albina. In particular, Boda fails to disclose or even suggest an "*access code reply message including an access code based on the location identifier in the access code request message,*" as recited in claim 1. And there is no evidence that the "response" in Boda is ever used by the wireless communication device itself to place a call. Thus, Albina, even if combined with Boda, would not have rendered claim 1 obvious for these further reasons.

Third, not only does step 213 of Boda fail to provide the teaching necessary to modify Albina to perform Applicant's claimed invention, but step 217 in Boda is *also* insufficient. As discussed above, step 217 establishes a connection to the audience member's mobile device. However, it is significant that the "call server" fully controls the initiation of the connection—***not***

the mobile device. Boda discloses that "the call server establishes a connection between the audience member's mobile device and a telephone associated with the show, in step 217". *See* para. [0026]. The mobile device cannot be used for talking to the call show host unless and until the call server *initiates* the call if the call request is accepted. For example, in the above example where a show host has announced to the audience member that "your turn is 10 minutes from now" (para. [0024]), "the call server may wait ten minutes ***before initiating*** a connection" (para. [0026]). *See also* para. [0008] (disclosing that "[w]hen the request is accepted, the call server establishes a connection between the user's mobile terminal and a terminal associated with the show") and para. [0032] (disclosing that if a sales representative accepts a connection request, then "the call server establishes a new connection between the mobile terminal and the sales representative"). The mobile device is helpless to do anything but wait for the call to come through. It is apparent, for this *additional* reason, that, in Boda's system, a "*wireless device*" does ***not*** receive an "*access code reply message*" including an "*access code based on the location identifier*" wherein the "*access code*" is used by the ***wireless device*** to "*initiate communications*" from the wireless device to a destination node in the manner recited in, for example, Applicant's claims 1 and 51. Instead, in Boda, the call server initiates communications to the wireless device, which obviates providing an "*access code based on the location identifier*" for use by the wireless device. In a further example in para. [0027], in some embodiments of Boda, "the show representative may contact the mobile device directly," but, again, this implies that the initiative for making the connection lies with the show representative, not with the wireless mobile device. Indeed, one of the goals of Boda is to make it unnecessary for the audience member to "receive" a telephone number for the purpose of calling a call-in show (para. [0006]). Therefore, it is submitted that Boda's teaching contributes nothing to Albina that would allow the combination of these references to render obvious Applicant's claims 1 or 51, for these *still further* reasons.

Finally, the Examiner provides no explanation for *how* Boda's teaching would be integrated into the proposed combination of references. If the Examiner has specific modifications to Albina in mind or relies on specific assumptions, these should be explicitly stated. See *KSR*, pp. 14 and 17. The Supreme Court, in *KSR Int'l Co. v. Teleflex Inc.*, 550 U.S. 398 (2007) ("*KSR*"), has indicated that a finding of obviousness requires an explicit analysis based on an "apparent reason to combine the known elements *in the fashion claimed* by the

patent at issue", and to provide "a reason that would have prompted a person of ordinary skill in the relevant field to combine the elements *in the way the claimed* new invention does," but warned of the need to guard against falling prey to "hindsight bias [and] *ex post* reasoning." *KSR*, 550 U.S. at 401-403, 421; see also *Innogenetics, N.V. v. Abbott Laboratories*, 512 F.3d 1363 n.3 ("be careful not to allow hindsight reconstruction"). Furthermore, "conclusory statements" alone are insufficient; instead, the finding must be supported by a "reasoned explanation." *Lee*, 277 F.3d at 1342, 1345. The above-mentioned disclosures in Boda appear to undermine the Examiner's proposed reason for combining Boda with Albina. If sending location information is an *optional* feature in Boda that is *independent from* establishing communications in Boda, then *even if* a person of skill in the art of the invention desired to follow Boda's teaching on location information to enhance Albina to support direct communication between show representatives and audience members with little human assistance (the motivation given by the Examiner), Boda's method *would not* lead to modifying Albina's method of establishing communications because Boda does not teach using location information for establishing communications. Put another way, the Examiner has not explained how or why following Boda's teaching would lead to the specific invention recited in Applicant's claims. Thus, it is submitted that the present rejections of Applicant's claims lack foundation for this additional reason.

For the foregoing reasons, it is respectfully submitted that the combination of Albina and Boda is incapable of establishing the obviousness of Claims 1 and 51 under 35 U.S.C. §103(a).

Applicant respectfully notes in passing that most if not all of the above considerations and distinctions were supported by the previously pending claims in this application and therefore that those claims were patentable *per se* over the combination of Albina and Boda. Nevertheless, certain amendments have been made to clarify the claims and to make differences between the claimed invention and the cited art even more explicit simply in order to expedite prosecution.

Independent Claims 20, 38, 50, 77, 103, 129 and 130

Applicant respectfully submits that each of the independent Claims 20, 38, 50, 77, 103, 129 and 130 recite elements similar to the elements discussed above regarding Claims 1 and 51, for example:

(a) claim 20 recites, *inter alia*, "*means for causing the wireless apparatus to establish communications with the destination node through the communications channel identified by the access code in the access code reply message, the access code being based on the location identifier transmitted in the access code request message*,";

(b) claim 38 recites, *inter alia*, "*initiate communications from the wireless apparatus, via the network interface, using the access code based on the location identifier, to establish communications between the wireless apparatus and the destination node through the communications channel identified by the access code*";

(c) claim 50 recites, *inter alia*, "*cause the wireless device to use the access code comprising the Internet Protocol (IP) address based on the location identifier to establish communications between the wireless device and the destination node through the communications channel of the network element identified by the access code*";

(d) claim 77 recites, *inter alia*, "*means for transmitting an access code reply message including the access code to the wireless device, wherein the access code in the access code reply message is based on the location identifier and is used by the wireless device to initiate communications with the destination node through the communication channel on the gateway*";

(e) claim 103 recites, *inter alia*, "*transmit an access code reply message including the access code to the wireless device, wherein the access code in the access code reply message is based on the location identifier and is used by the wireless device to initiate communications with the destination node through the communication channel*";

(f) claim 129 recites, *inter alia*, "*transmit an access code reply message including the access code to the wireless device, wherein the Internet Protocol (IP) address of the access code is based on the location identifier and is used by the wireless device to initiate communications with the destination node through the communication channel on the gateway*"; and

(g) claim 130 recites, *inter alia*, "*transmitting a reply message including the access code to the wireless device, wherein the second Internet Protocol (IP) address is based on the location identifier and is used by the wireless device to initiate communications with the destination node through the communication channel on the IP network communication device*."

Thus, for reasons similar to those given above, *mutatis mutandis*, it is respectfully submitted that the Examiner's rejections under 35 U.S.C. §103(a) of Applicant's independent

claims 20, 38, 50, 51, 77, 103, 129 and 130 should be withdrawn.

Applicant also respectfully submits that the rejection of claim 130 failed to accurately quote the language of the claim and that the Examiner has not identified each feature of the claim in the applied references. For example, the Examiner did not address the "IP address" features recited in claim 130, thus the rejection of claim 130 is also improper for this *additional* reason.

Discussion of Dependent Claims

Although Applicant has not addressed all the issues of the dependent claims, Applicant respectfully submits that Applicant does not necessarily agree with the characterization and assessments of the dependent claims in the Office action, and Applicant believes that each of the dependent claims is patentable on its own merits.

In particular, Applicant respectfully submits that claims 2-19, 21-37, 39-49, 52-76, 78-102, 104-128 and 131-137 should be allowable over the cited references due to their respective direct or indirect dependence from one of independent claims 1, 20, 38, 51, 77, 103, and 130, and also due to the additional subject-matter that each of these dependent claims recites.

Applicant takes this opportunity to identify some apparent errors in the Examiner's rejections of certain dependent claims. In this regard, 37 C.F.R. §1.104 describes the requirements for examination:

> "The examination shall be complete…" [37 C.F.R. § 1.104 (a)(1)]; and "The examiner's action will be complete as to all matters…" [37 C.F.R. § 1.104 (a)(4)(b)]
>
> "The reasons for any adverse action or any objection or requirement will be stated in an Office action and such information or references will be given as may be useful in aiding the applicant, or in the case of a reexamination proceeding the patent owner, to judge the propriety of continuing the prosecution." [37 C.F.R. § 1.104 (a)(2)]
>
> "In rejecting claims for want of novelty or for obviousness, the examiner must cite the best references at his or her command. When a reference is complex or shows or describes inventions other than that claimed by the applicant, the particular part relied on must be designated as nearly as practicable. The pertinence of each reference, if not apparent, must be *clearly* explained and each rejected claim specified." [37 C.F.R. § 1.104 (c)(2)] [emphasis added]

Claims 63, 89 and 115

With respect to **Claim 63** (*see* Office Action at 44), the Examiner has switched the basis of the rejection to Boda, however, Boda still fails to provide the recited claim elements.

The Examiner states that "Boda teaches… [that] access information may include a telephone number, an email address, [or] an IP address," and references paragraph [0019] of Boda for support (*see* Office Action at 44). However, the cited excerpt of Boda discloses that a "show representative" or "designated personnel" of the call-in "show" provides this "access information to ***call server 101***". Paragrap [0019] does not state that this particular "access information" is provided to the mobile device of users. On the contrary, Boda explains that the purpose of this "access information" is "so that call server 101 may contact call-in shows based on callers' requests… via telephone… email [etc.] as defined by each particular show's access information" (see para. [0015] of Boda). Similarly, para. [0021] discloses: "In step 209, the call server uses the received information to look up the show's access information, and forwards the request to the show (e.g., to the studio from which the show is originating)." Thus, the "access information" in Boda, cited by the Examiner, is information sent from the "show" to the "call server 101" to enable the "call server 101" to forward call requests to the show as needed.

In contrast, claim 63 recites a "pool" of "access codes" which may potentially be sent to a "***wireless device***" for its use in establishing a communication. *Compare* independent claim 51 (from which claim 63 depends), which recites: "***transmitting, to the wireless device****, an access code reply message including the* ***access code*** *based on the location identifier…*" and "*wherein the access code is* ***useable by the wireless device to initiate communications*** *with the destination node*"). What the Examiner cites in Boda is teaching on how a call-in show may provide access information to a call server to allow it communicate with the show, but this fails to disclose providing an "*access code*" that is useable by a wireless device in the manner recited in Applicant's claims (*e.g.*, see dependent claim 63 in view of independent claim 51). Therefore, the cited portion of Boda fails to disclose an "*access code*" as recited in Applicant's claims.

For reasons similar to those above, Applicant respectfully submits that the rejections of **claims 89** and **115** are also improper and requests the withdrawal of these rejections.

Claims 64, 90 and 116

Applicant also submits that the rejection of **claim 64** (*see* Office Action at 44) should be withdrawn, *e.g.*, due to the absence of a disclosure in Albina of using a "*wireless device*" using an "*access code identifying the IP network address*" as recited in claim 64. The Examiner relies again on the "access information" disclosed in para. [0019] of Boda. However, as explained by Applicant above in connection with claim 63, the "access information" disclosed in para. [0019] of Boda is sent to the call server to enable the ***call server*** to communicate with the show. Claim 64, however, recites a "*wireless device using the access code*," which is ***not*** how the "access information" is used in Boda, thus the rejection of claim 64 is improper for at least this reason.

For reasons similar to those above, Applicant respectfully submits that the rejections of **Claims 90** and **116** are also improper and requests the withdrawal of these rejections. **Claim 90** appears to be rejected for the "same reason" as set forth in **claim 64** (OA at 49), and thus is improper for similar reasons. **Claim 116** is part of an omnibus rejection that recites, "Regarding claim 104-116, the claim is interpreted and rejected for the same reason as set forth in claim 2-10. [sic]" (see OA at 56). However, none of claims 2-10 appear to recite the same claim language as **claim 116**, thus the rejection of **claim 116** is improper and should be withdrawn.

Claim 109

Claim 109 ostensibly has been rejected for the "same reason" as set forth in **claim 7** (OA at 56) because **claim 109** is part of an omnibus rejection that recites, "Regarding claim 104-116, the claim is interpreted and rejected for the same reason as set forth in claim 2-10. [sic]" (see OA at 56). However, none of claims 2-10 appear to recite the same claim language as **claim 109** ("*wherein none of the access codes in the pool of access codes identifies a respective telephone number*"), therefore the rejection of claim 109 is improper and should be withdrawn.

Claims 6, 25, 43, 60, 86 and 112

With respect to **claim 6**, the Examiner has stated (OA at 17) that Figure 3 and para. [0019] of Boda disclose, "*wherein the location identifier comprises an Internet Protocol (IP) address of the wireless device in a wireless Internet Protocol (IP) network*," as recited in claim 6.

Figure 3 mentions "location information," but para. [0019] of Boda does ***not*** disclose that "location information can be [an] IP address," as alleged in the Office action at 17. Paragraph [0019] *at best* discloses that an "IP address" can be used as "access information" by the "call server 101." *See* Applicant's explanation of "access information" with respect to claim 63 above. Indeed, para. [0019] of Boda discloses nothing about "location information" whatsoever. In the absence of any evidence that Boda discloses the subject matter of Applicant's **claim 6**, Applicant respectfully submits that the rejection of **claim 6** should be withdrawn. By the same token, it is respectfully submitted that the rejection of **claim 25** is improper as well (*see* OA at 27).

Claims 43, **60**, and **112** appear to have been rejected for the "same reason" as **claim 6** (*see* Office Action at 36, 43 and 56), thus Applicant submits that the rejection of these claims is improper for similar reasons to those stated above for **claim 6**. **Claim 86** appears to have been rejected for the "same reason" as **claim 25**, thus the rejection is likewise improper (OA at 49).

Claims 10 and 29

With regard to **claim 10**, the Examiner has referred to para. [0015] of Boda, which discloses that "the call server may contact a show representative using SMS." However, Claim 10 recites "*receiving the access code* ***reply*** *message [as an SMS]*," thus the Examiner's rejection is not understood and appears to be *prima facie* improper. *See* OA at 18. Boda does not appear to disclose receiving anything akin to an "*access code reply message*" at a wireless device as already explained above, let alone receiving any such message "*as an [SMS]*." If the Examiner disagrees, then the Examiner is kindly requested to explain the rejection, or else to withdraw it.

In addition, the rejection of **claim 29** is missing from the Office Action. However, there is a *second* rejection of **claim 10** at page 23 of the Office Action, where one would expect a treatment of **claim 29** to be located, therefore it appears that the rejection of **claim 29** is improper for reasons similar to those given above in respect of **claim 10**.

Claims 58, 59 and 85

With regard to **claim 58**, the Examiner has referred to Figure 1 of Boda (*see* p. 43 of the Office action), but Figure 1 fails to disclose any of the subject-matter recited in claim 58. Indeed, Boda fails to disclose "*determining... a local calling area*," let alone "*select[ing] an access code*

associated with... the local calling area," as recited in **claim 58**. With regard to **claim 59** (OA at 43), the Examiner cites paras. [0024]-[0032] of Boda, but none of the cited paragraphs appear to disclose the subject matter recited in **claim 59**, *e.g.*, "*dialing profile*" or "*determining a local calling area*" or "*selecting an access code... matching the local calling area*." Finally, the rejection of **claim 85** (OA at 49) also appears to be improper for similar reasons. Therefore, withdrawal of the improper rejections of claims 58, 59 and 85 is respectfully requested.

Claim 134

With regard to **claim 134** (OA at 56), the Examiner cites paras. [0024]-[0030] of Boda, but the cited portions fail to disclose the subject-matter of claim 134. There is no disclosure in Boda, even in the cited portions of Boda, of the subject-matter recited in claim 134, such as "*searching an access code association database table to identify an access code*" in the manner claimed, and thus, the Office Action is incomplete with respect to the examination of **claim 134**.

Claim 135

With regard to **claim 135** (OA at 57), the Examiner cites paras. [0020]-[0040] of Boda, but the cited portions of Boda do not disclose the subject-matter of claim 135. Indeed, paragraphs [0035]-[0040] do not exist in Boda, therefore Applicant does not understand the rejection of **claim 135** and respectfully requests that it be fully explained or else withdrawn.

Claims 57 and 83

The rejections of **claims 57** and **83** cite to Boda at paras. [0019]-[0020] and Figure 1 (OA at 32, 48) but the cited portions of Boda do not disclose the subject-matter of claims 57 and 83 therefore the rejections are improper. As already explained above with respect to claim 63, para. [0019] discloses "access information" for use by the call server, but this is clearly ***not*** a disclosure of an "*access code*" as recited in Applicant's claims. Paragraph [0020] of Boda discloses a mobile device sending a request to the call server, however, this is an operation that is distinct from the call server using "access information" to contact the studio. Accordingly, Applicant respectfully submits that the rejections of claims 57 and 83 appears to be improper.

In view of 35 U.S.C. § 112, ¶4 and also in view of the arguments made above, Applicant respectfully requests the withdrawal of all claim rejections and prompt allowance of the claims.

If the Examiner disagrees with any of the Applicant's arguments, then a responsive explanation of the reason for the disagreement would be appreciated to expedite prosecution.

Co-Pending Applications of Assignee

Applicant wishes to draw the Examiner's attention to the following co-pending applications assigned to Applicant's assignee.

Serial No.	Title	Filed
14/853705	Determining A Time To Permit A Communications Session To Be Conducted	Sep. 14, 2015
15/942282	Producing Routing Messages For Voice Over IP Communications	April 2, 2018
15/861572	Intercepting Voice Over IP Communications and Other Data Communications	Jan. 3, 2018
15/421058	Emergency Assistance Calling For Voice Over IP Communications Systems	Jan. 31, 2017
16/030761	Uninterrupted Transmission Of Internet Protocol Transmissions During Endpoint Changes	July 9, 2018

CONCLUSION

Although the present communication includes alterations to and/or characterizations of the claims, Applicant does not concede in this communication that previously pending claims are not patentable over the cited references. Rather, any alterations or characterizations are being made to facilitate expeditious prosecution of this application. Applicant reserves the right to pursue at a later date any previously pending or other broader or narrower claims that capture any subject matter supported by the present disclosure, including subject matter found to be specifically disclaimed herein or by any prior prosecution. Accordingly, reviewers of this or any parent, child or related prosecution history shall not reasonably infer that Applicant has made any disclaimers or disavowals of any subject matter supported by the present application.

Applicant has endeavored to address all of the Examiner's concerns as expressed in the outstanding Office Action. If the Examiner has any outstanding concerns following this response, Applicant respectfully requests an Interview with the Examiner to be able to address any such outstanding concerns as expeditiously as possible.

In light of the above, Applicant respectfully submits that pending claims 1-141 are now in condition for allowance. Applicant requests that the rejections and objections be withdrawn, and that the claims be allowed and passed to issue. If any impediment to the allowance of these claims remains after entry of this Amendment, the Examiner is strongly encouraged to call Sean F. Parmenter at (801) 566-6633 so that such matters may be resolved expeditiously.

The Commissioner is hereby authorized to charge any additional fee or to credit any overpayment in connection with this Amendment to Deposit Account No. 20-0100.

DATED this 22nd day of February, 2019.

Respectfully submitted,

/Sean F. Parmenter/

Sean F. Parmenter
Registration No. 53437

THORPE NORTH & WESTERN, LLP
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Sandy, Utah 84091-1219
Telephone: (801) 566-6633

SE/jm

Electronic Patent Application Fee Transmittal

Application Number:	14035806
Filing Date:	24-Sep-2013
Title of Invention:	MOBILE GATEWAY
First Named Inventor/Applicant Name:	Johan Emil Viktor Björsell
Filer:	Sean Franklin Parmenter/Jenny Morison
Attorney Docket Number:	4278-004.PCT.US.CON1

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension - 3 months with $0 paid	1253	1	1400	1400
Miscellaneous:				
			Total in USD ($)	**1400**

Electronic Acknowledgement Receipt

EFS ID:	35231866
Application Number:	14035806
International Application Number:	
Confirmation Number:	5562
Title of Invention:	MOBILE GATEWAY
First Named Inventor/Applicant Name:	Johan Emil Viktor Björsell
Customer Number:	20551
Filer:	Sean Franklin Parmenter/Jenny Morison
Filer Authorized By:	Sean Franklin Parmenter
Attorney Docket Number:	4278-004.PCT.US.CON1
Receipt Date:	22-FEB-2019
Filing Date:	24-SEP-2013
Time Stamp:	23:02:42
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$1400
RAM confirmation Number	022519INTEFSW23032500
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		OAResponse.pdf	467702 fc9d2e20f0c302adb5f305c4a221d85904ae40f3	yes	43

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1
	Claims	2	26
	Applicant summary of interview with examiner	27	27
	Applicant Arguments/Remarks Made in an Amendment	28	43

Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30830 ba46db26a457bd96a601091d780cdd49df37a30c	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	498532		

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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.
14/035,806	09/24/2013	Johan Emil Viktor Björsell	4278-004.PCT.US.CON1	5562

20551 7590 03/15/2019
THORPE NORTH & WESTERN, LLP.
P.O. Box 1219
SANDY, UT 84091-1219

EXAMINER	
RAHMAN, M MOSTAZIR	

ART UNIT	PAPER NUMBER
2411	

NOTIFICATION DATE	DELIVERY MODE
03/15/2019	ELECTRONIC

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 the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@tnw.com
warren.archibald@tnw.com

PTOL-90A (Rev. 04/07)

United States Patent and Trademark Office

Office of the Chief Financial Officer

March 07, 2019

THORPE NORTH & WESTERN, LLP.
Attn: SEAN PARMENTER
P.O. BOX 1219
SANDY, UT 84091-1219

Dear Sir/Madam,

The United States Patent and Trademark Office (USPTO) has reviewed your refund request for Reference Number **14035806** - Refund Request ID **REFND-20190228-00005**. Below is the current status of your refund request assigned to the following processing area: Office of Patent Examination Support Services

Fee code	Decision	Decision Reason(s)	Refund Amount
1253	Approved	Other - Applicant paid large entity fee but should have paid small entity fee	$700.00

Generally, approved refunds will be issued in the form that the original payment was provided. You will receive a separate decision letter for any additional fee codes assigned to other processing areas, if applicable. Decisions may be subject to change if an error is identified.

For questions related to this decision, contact the Case Resolution Team at (571) 272-1720 or case.resolution@USPTO.GOV.

Thank you,
Refund Branch

To: patentdocket@tnw.com,warren.archibald@tnw.com,
From: PAIR_eOfficeAction@uspto.gov
Cc: PAIR_eOfficeAction@uspto.gov
Subject: Private PAIR Correspondence Notification for Customer Number 20551

Mar 15, 2019 03:26:42 AM

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THORPE NORTH & WESTERN, LLP.
P.O. Box 1219
SANDY, UT 84091-1219
UNITED STATES

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The official date of notification of the outgoing correspondence will be indicated on the form PTOL-90 accompanying the correspondence.

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Application	Document	Mailroom Date	Attorney Docket No.
14035806	M327	03/15/2019	4278-004.PCT.US.CON1

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If you have any questions, please email the Electronic Business Center (EBC) at EBC@uspto.gov with 'e-Office Action' on the subject line or call 1-866-217-9197 during the following hours:

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/035,806	09/24/2013	Johan Emil Viktor Björsell	4278-004.PCT.US.CON1	5562

20551 7590 08/22/2019

THORPE NORTH & WESTERN, LLP.
P.O. Box 1219
SANDY, UT 84091-1219

EXAMINER	
RAHMAN, M MOSTAZIR	

ART UNIT	PAPER NUMBER
2411	

NOTIFICATION DATE	DELIVERY MODE
08/22/2019	ELECTRONIC

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 the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@tnw.com
warren.archibald@tnw.com

PTOL-90A (Rev. 04/07)

Office Action Summary	Application No. 14/035,806	Applicant(s) Björsell et al.	
	Examiner M MOSTAZIR RAHMAN	Art Unit 2411	AIA (FITF) Status No

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☑ Responsive to communication(s) filed on 02/22/2019.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a)☑ This action is **FINAL.** 2b) ☐ This action is non-final.

3)☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

4)☐ Since this application is in condition for allowance 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.

Disposition of Claims*

5) ☑ Claim(s) 1-141 is/are pending in the application.

5a) Of the above claim(s) _____ is/are withdrawn from consideration.

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 1-141 is/are rejected.

8) ☐ Claim(s) _____ is/are objected to.

9) ☐ Claim(s) _____ are subject to restriction and/or election requirement

* If any claims have been determined allowable, you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to **PPHfeedback@uspto.gov.**

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☑ Notice of References Cited (PTO-892)

2) ☑ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date _____.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date _____.

4) ☐ Other: _____.

DETAILED ACTION

Notice of Pre-AIA or AIA Status

The present application is being examined under the pre-AIA first to invent provisions.

Information Disclosure Statement

The information disclosure statements (IDS) submitted **on *10/20/2016*** have been placed in record and considered by the examiner.

Response to Remark

This communication is considered fully responsive to the amendment filed on ***02/22/2019.***

1) *Claims 1, 20, 38, 50, 51, 77, 103, 129, 130, 137 have been amended.*

2) *Claims 1-141 are pending.*

3) No claim has been added and no claim has been canceled.

Response to Arguments

Applicant's arguments, filed on ***02/22/2019,*** with respect to claims have been considered but are moot because the arguments do not apply to any of the references being used in the current rejection. The Examiner found significant features added and modified to independent claims that have substantially changed the scope of the invention, Therefore, Applicant's remarks regarding rejection under 35 U.S.C 103 for the independent claims are moot. Applicant's remarks are considered as forward looking statement for the newly reconstructed claims.

Claim Interpretation

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

> (f) Element in Claim for a Combination. – An element in a claim for a combination may be expressed as a means or step for performing a specified function without the recital of structure, material, or acts in support thereof, and such claim shall be construed to cover the corresponding structure, material, or acts described in the specification and equivalents thereof.

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

> An element in a claim for a combination may be expressed as a means or step for performing a specified function without the recital of structure, material, or acts in support thereof, and such claim shall be construed to cover the corresponding structure, material, or acts described in the specification and equivalents thereof.

Use of the word "means" (or "step for") in a claim with functional language creates a rebuttable presumption that the claim element is to be treated in accordance with 35 U.S.C. 112(f) (pre-AIA 35 U.S.C. 112, sixth paragraph). The presumption that 35 U.S.C. 112(f) (pre-AIA 35 U.S.C. 112, sixth paragraph) is invoked is rebutted when the function is recited with sufficient structure, material, or acts within the claim itself to entirely perform the recited function.

Absence of the word "means" (or "step for") in a claim creates a rebuttable presumption that the claim element **is not** to be treated in accordance with 35 U.S.C. 112(f) (pre-AIA 35 U.S.C. 112, sixth paragraph). The presumption that 35 U.S.C. 112(f) (pre-AIA 35 U.S.C. 112, sixth paragraph) is not invoked is rebutted when the claim element recites function but fails to recite sufficiently definite structure, material or acts to perform that function.

Claim elements in this application that use the word "means" (or "step for") are presumed to invoke 35 U.S.C. 112(f) except as otherwise indicated in an Office action.

Similarly, claim elements that do not use the word "means" (or "step for") are presumed not to invoke 35 U.S.C. 112(f) except as otherwise indicated in an Office action.

Claim limitation

"Means for receiving" in claim 20, 28, 29, 30, 31, 34;

"Means for transmitting" in claim 20, 22, 23, 24,35, 36, 37;

"Means for establishing" in claim 20, 33;

"Means for communicating" in claim 34;

has/have been interpreted under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, because it uses/they use a generic placeholder "**means"** coupled with functional language **"for"** without reciting sufficient structure to achieve the function. Furthermore, the generic placeholder is not preceded by a structural modifier.

Since the claim limitation(s) invokes 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, **claim(s) 20-37,77-102** has/have been interpreted to cover the corresponding structure described in the specification that achieves the claimed function, and equivalents thereof.

A review of the specification shows that the following appears to be the corresponding structure described in the specification for the 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph limitation:

"Means for receiving" ->"fig. 2: an input/output (I/O) port 56";

"Means for transmitting" ->"fig. 2: an input/output (I/O) port 56";

"Means for establishing" ->"fig. 2: telephone network interface 72, 70";

"Means for communicating" ->"fig. 2: telephone network interface 72, 70";

If applicant wishes to provide further explanation or dispute the examiner's interpretation of the corresponding structure, applicant must identify the corresponding structure with reference to the specification by page and line number, and to the drawing, if any, by reference characters in response to this Office action.

If applicant does **not** intend to have the claim limitation(s) treated under 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112 , sixth paragraph, applicant may amend the claim(s) so that it/they will clearly not invoke 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph, or present a sufficient showing that the claim recites/recite sufficient structure, material, or acts for performing the claimed function to preclude application of 35 U.S.C. 112(f) or pre-AIA 35 U.S.C. 112, sixth paragraph.

For more information, see MPEP § 2173 *et seq.* and *Supplementary Examination Guidelines for Determining Compliance With 35 U.S.C. 112 and for Treatment of Related Issues in Patent Applications*, 76 FR 7162, 7167 (Feb. 9, 2011).

Claim Rejections - 35 USC § 103

The following is a quotation of pre-AIA 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-129, 134-141 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over **Albina** et al. (US **20080056235** A1; hereinafter as "**Albina**") in view of **KHAN** et al. (US **20070286170** A1) hereinafter as "**KHAN**) and further n view of **YOSHIDA** et al. (US **20070230423** A1) hereinafter as "**YOSHIDA**).

Albina discloses "Cellular-to-VoIP call establishment systems, methods, devices, and computer software" **(Title; see Fig. 1-3).**

Regarding claim 1, **Albina** teaches a method **(aforesaid "method" details in fig. 1 where mobile communication device 102 communicate with VoIP destination device 104 using wireless network 116)** of establishing communications between a wireless device **(aforesaid mobile device 102)** and a destination node **(aforesaid VoIP Destination Device 104)** of a communications network **(aforesaid Wireless Service Provider 116) ; mobile communication device 102 (aforesaid "wireless apparatus") communication with VoIP destination device 104 using Wireless Service Provider 116: [0027]))** the method comprising:
Receiving from a user of the wireless device a destination node identifier associated with the destination node **(mobile communication device 102 receives contact information to contact VoIP Destination device 104 from a user of mobile communication device 102; Fig. 3: element 302; also fig 7 element 702);**
receiving an access code reply message from the access server in response to the access code request message **(mobile communication device 102 receives access**

code reply message from server; Fig. 3 element 304 and element 306: the client application receives the TDN and initiates a PSTN call to the TDN: [0038]), the access code identifying a communications channel on a gateway **(see Fig. 11: SIP Gateway 1112)** through which communications between the wireless device **(Fig. 1: element 102: Mobile communication Device 102, Element 1102 in Fig. 11)** and the destination node **(Fig. 1: element 104: VoIP Destination Device 104, element 1116 in Fig. 11)** can be conducted **(see fig. 7 element 706, 708: At block 706, module 600 receives a reply message from application server 110, which contains a TDN. At block 708, module 600 triggers a PSTN call to the TDN. If the VoIP destination is available, at block 710, the PSTN call may be answered and bridged to a connection with VoIP destination device 104: [0046]; the wireless operator's IP network element routes the response to mobile station 1102 (aforesaid Mobile Communication Device 102 in Fig. 1). The client application (which is installed in Mobile Communication Device 102) retrieves the VoIP network provider E.164 number and places a traditional wireless telephony call to the E.164 number. The voice channel is assigned to mobile station 1102: [0087-[0090];** the access code being distinct from the destination node identifier **(TDN number is different that initial contact number; the media gateway sends a request to application server 110. The media gateway may provide information associated with the TDN to application server 110. Application server 110 receives the TDN, matches it to the corresponding identifier associated with the VoIP destination, and returns the identifier to the media gateway (block 314): [0038]).**

Albina, when teaching "*receiving from a user of the wireless device a destination node identifier associated with the destination node*", **Albina** appears silent on *"transmitting an access code request message to an access server the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device* ," the access code reply message including an access code based on the location identifier in the access code request message; in response to receiving the access code reply message, causing the wireless device to use the access code received in the access code reply message to initiate communications from the wireless device to the destination node through the channel identified by the access code, wherein the access code is based on the location identifier transmitted in the access code request message and enables the communications to be established from the wireless device to the destination node through the channel on the gateway identified by the access code" which however had been known in the art at the time of instant application such as shown by **Khan** in "METHOD AND APPARATUS FOR PROCESSING A COMMUNICATION REQUEST FROM A ROAMING VOICE OVER IP TERMINAL" **(Title)** and by **YOSHIDA** in "WIRELESS COMMUNICATION SYSTEM" **(Title).**

KHAN, in the same field of endeavor, discloses: *transmitting an access code request message to an access server* ***(network proxy/controller, see fig. 1: element 102) Aforesaid network proxy 102 can direct voice/data/video communication between VoIP terminals 116: [0018]); Aforesaid VoIP terminal 116 transmits a request [NOTE: access Code Request in the claim] to a network proxy/controller/server:***

[0011]), *the access code request message* ***(aforesaid a request)*** *including the destination node identifier and a location identifier identifying a geographical location of the wireless device* ***(aforesaid request comprises, inter alia, "an identification (ID) of the destination point" [NOTE: destination Node Identifier" as in claim]: [0011]; Aforesaid VoIP terminal has, inter alia, " a location determination device 205": [0024]-[0025], Aforesaid VoIP terminal sends/transmits, inter alia, location information to network proxy in the request: [0031]-[0032]),*** the access code reply message including an access code based on the location identifier in the access code request message **(Aforesaid network proxy/controller/server 102 connects with aforesaid VoIP Terminal based on its location information: [0031])**; in response to receiving the access code reply message, causing the wireless device to use the access code received in the access code reply message to initiate communications from the wireless device to the destination node (T**wo Voice Over IP (VoIP) terminals communicate with each other using gateway: [0011]; Aforesaid response after aforesaid request make communication between VoIP terminal [NOTE: the wireless Device] with another VoIP terminal [NOTE: destination Node]: [0028], [0033]**), wherein the access code is based on the location identifier transmitted in the access code request message and enables the communications to be established from the wireless device to the destination node **(Aforesaid network proxy 102/ server identifies a location of the VoIP terminal and proceeds to next step to enable communications between the VoIP terminal and the PSAP with location information: [0033] last few lines; The destination point can be another VoIP terminal, an emergency response center such as a public service access point**

(PSAP--911), and/or a POTS or circuit-switched communication terminal: [0028]; [0031]; Two Voice Over IP (VoIP) terminals communicate with each other using gateway: [0011]; a VoIP terminal can be programmed to receive a request from an end user to establish service with the network proxy or communications with a destination point: [0028]; VoIP Terminal connections using GW 114: [0029]).

Therefore, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to provide the technique of **KHAN** to the system of **ALBINA** in order to processing a communication request from a roaming VoIP terminal **(KHAN, [0002]).** The motivation would be to improve and enhance emergency response while traveling outside the home network **(KHAN, [0004]).**

Furthermore, the combination does not explicitly disclose: causing the wireless device …initiate communications from the wireless device to the destination node through the channel identified by the access code, wherein the access code .. enables the communications to be established from the wireless device to the destination node "*through the channel on the gateway identified by the access code.*

YOSHIDA, in the same field of endeavor, discloses: causing the wireless device **(see fig. 3: Terminal 3602)** …initiate communications from the wireless device **(see fig. 3: Terminal 3602)** to the destination node **(see fig. 3: Terminal 3603)** through the channel identified by the access code **(see fig. 3: Terminal 3602 stats communicating with terminal 3603 through a channel identified by access point**

3601: **[abstract]; [0009]-[0011])**, wherein the access code .. enables the communications to be established from the wireless device to the destination node "*through the channel on the gateway identified by the access code* ***(see fig. 5: terminal 3802 connects to terminal 3803 using Access point 3801: [0009], [0011], [0014]-[0022], also see fig. 16).***

Therefore, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to provide the technique of **YOSHIDA** to the system of **ALBINA** and **KHAN** in order to provide direct connection between wireless terminals **(YOSHIDA, [0002]).** The motivation would be to improve and enhance direct connection for inter-terminal direct communication **(YOSHIDA, [0010]).**

Regarding claim 2, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, KHAN** teaches, wherein transmitting comprises transmitting the access code request message to the access server on a non-voice network **(The network proxy 102 can be used to control operations of a media gateway 109, the central office 113 and the GW 114. Communications between the network proxy 102, VoIP terminals 116 and other network elements of the communication system 100 can conform to any number of signaling protocols such as a session initiation protocol (SIP), or a video communications protocol such as H.323 :[0017]).**

Regarding claim 3, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein transmitting comprises transmitting the access code request

message as a Short Messaging Service (SMS) message **(sensing request using mobile data network 106; mobile communication device 102 providing a data message to mobile data network 106, which is delivered to application server 110: [0033]; A. Originating cellular phone 1002 sends a data message using, for example, 1XRTT, WAP, SMS, etc. to an SIP application service (application server 1006): [0058]).**

Regarding claim 4, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein transmitting comprises transmitting the access code request message on a voice network **(fig. 2 where Mobile communication sent request using PSTN 108 network; mobile communication device 102 initiates a voice call (via PSTN 108) to the TDN which terminates at PSTN-to-VoIP gateway 112: [0033]).**

Regarding claim 5, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein transmitting the access code request message on a voice network comprises transmitting the access code request message as a Short Messaging Service (SMS) message **(sensing request using mobile data network 106; mobile communication device 102 providing a data message to mobile data network 106, which is delivered to application server 110: [0033]; A. Originating cellular phone 1002 sends a data message using, for example, 1XRTT, WAP, SMS, etc. to an SIP application service (application server 1006): [0058]).**

META 1002
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Regarding claim 6, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, KHAN** teaches, wherein the location identifier comprises an Internet Protocol (IP) address of the wireless device in a wireless Internet Protocol (IP) network **(IP address of VoIP terminal: [0003]).**

Regarding claim 7, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein the location identifier comprises an identifier of a wireless voice signal station in wireless communication with the wireless device **(The cellular-to-VoIP call establishment process establishes a voice session from originating cellular telephone 1002 to a SIP-based VoIP destination client 1014 using a temporary directory number (TDN: [0057]).**

Regarding claim 8, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, KHAN** teaches, wherein the location identifier comprises a user- configured identifier of a location associated with the wireless device **(not a fixed location but variable location of VoIP terminal: [0003]).**

Regarding claim 9, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein receiving the access code reply message comprises receiving the access code reply message from the access server on a non-voice network **(received over data network; mobile data network 106 in fig. 2).**

Regarding claim 10, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein receiving the access code reply message comprises receiving the access code reply message as a Short Messaging Service (SMS) message **(SMS Code: [0057]).**

Regarding claim 11, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein receiving comprises receiving the access code reply message on a voice network **(over PSTN network; fig. 2).**

Regarding claim 12, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein receiving the access code reply message on a voice network comprises receiving the access code reply message as a Short Messaging Service (SMS) message **(the location information of telephone 100 may be calculated and delivered to VoIP adaptor 105 either via wireless link 113 that may include a radio link such as GPRS or SMS or via a connection 137 from the GMLC/MPC server 145: [0051]).**

Regarding claim 13, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein receiving the access code reply message comprises receiving, in the access code reply message, an access code temporarily associated with the destination node identifier **(see fig. 3: a temporary directory number (TDN); element 306; application server 110 receives the data message from the client application and associates the identifier with a temporary directory number (TDN): [0038]).**

Regarding claim 14, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein receiving the access code reply message comprises receiving, in the access code reply message, a telephone number or an Internet Protocol (IP) address **(see fig. 3: a temporary directory number (TDN); element 306; application server 110 receives the data message from the client application and associates the identifier with a temporary directory number (TDN): [0038]).**

Regarding claim 15, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein establishing communications between the wireless device and the destination node comprises engaging a routing controller to route the call on a public switched telephone network (PSTN) or an IP network to the destination node **(fig. 3: Media gateway element 310; At block 310, the media gateway receives or detects the incoming call from mobile communication device 102. At block 312, the media gateway sends a request to application server 110: [0038]).**

Regarding claim 16, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, further comprising: receiving at the access server, the access code request message from the wireless device **(see fig. 1: application server 110 received request from mobile communication device 102 in fig. 1: also fig. 3 element 202, 304);**

causing the access server to communicate with a routing controller to obtain from the routing controller the access code **(see fig. 3: element 310 where application server**

communicate with a media gateway), wherein the access code identifies a communications channel associated with the location identifier **(A. Mobile station 1202 registers with registrar /location server 1210 through PDSN/SGSN (e.g., PDSN 1204). This occurs on application start and reoccurs every "Expires" (see c. below) seconds: [0105])** and wherein the access code is useable by the wireless device in a subsequent communication to cause the routing controller to establish a call to the destination node using the communications channel (**A. Mobile station 1202 registers with registrar /location server 1210 through PDSN/SGSN (e.g., PDSN 1204). This occurs on application start and reoccurs every "Expires" (see c. below) seconds: [0105]);** and Causing the access server to transmit the access code reply message to the wireless device **(The partner network media gateway returns the ISUP Answer message (ANM) to the originating MSC. [0162] Y. MSC 1206 brings mobile station 1202 up on voice channel. : [0161]).**

Regarding claim 17, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein transmitting the access code reply message comprises transmitting the access code reply message as a Short Messaging Service (SMS) message **(sensing request using mobile data network 106; mobile communication device 102 providing a data message to mobile data network 106, which is delivered to application server 110: [0033]; A. Originating cellular phone 1002 sends a data message using, for example, 1XRTT, WAP, SMS, etc. to an SIP application service (application server 1006): [0058]).**

Regarding claim 18, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein transmitting the access code reply message comprises transmitting the access code reply message on a voice network **(fig. 2 where Mobile communication sent request using PSTN 108 network; mobile communication device 102 initiates a voice call (via PSTN 108) to the TDN which terminates at PSTN-to-VoIP gateway 112: [0033]).**

Regarding claim 19, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein transmitting the access code reply message on a voice network comprises transmitting the access code request message as a Short Messaging Service (SMS) message **(sensing request using mobile data network 106; mobile communication device 102 providing a data message to mobile data network 106, which is delivered to application server 110: [0033]; A. Originating cellular phone 1002 sends a data message using, for example, 1XRTT, WAP, SMS, etc. to an SIP application service (application server 1006): [0058]).**

Regarding claim 20, **Albina** teaches **a** wireless apparatus **(aforesaid "wireless apparatus" detail in fig. 1 where mobile communication device 102 (aforesaid "wireless apparatus") communication with VoIP destination device 104 using Wireless Service Provider 116: [0027]))** comprising: means for receiving from a user of the wireless apparatus **(fig 1 element 102)** a destination node identifier associated with a destination node with which the user wishes to communicate **(mobile communication device 102 receives contact information to contact VoIP**

Destination device 104 from a user of mobile communication device 102; Fig. 3: element 302; also fig 7 element 702); and means for receiving an access code reply message from the access server in response to the access code request message **(mobile communication device 102 receives access code reply message from server; Fig. 3 element 306: the client application receives the TDN and initiates a PSTN call to the TDN: [0038]),** the access code being distinct from the destination node identifier **(TDN number is different that initial contact number; the media gateway sends a request to application server 110. The media gateway may provide information associated with the TDN to application server 110. Application server 110 receives the TDN, matches it to the corresponding identifier associated with the VoIP destination, and returns the identifier to the media gateway (block 314): [0038])**.

Albina, when teaching "*means for receiving from a user of the wireless apparatus a destination node identifier associated with a destination node with which the user wishes to communicate*", **Albina** appears silent on *"means for transmitting an access code request message to an access server the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless apparatus,* the access code reply message including an access code based on the location identifier in the access code request message, the access code identifying a communications channel on a gateway through which communications between the wireless apparatus and the destination node can be conducted, means for causing the wireless apparatus to establish communications with the destination node

through the communications channel identified by the access code in the access code reply message, the access code being based on the location identifier transmitted in the access code request message. " which however had been known in the art at the time of instant application such as shown by **Khan** in "METHOD AND APPARATUS FOR PROCESSING A COMMUNICATION REQUEST FROM A ROAMING VOICE OVER IP TERMINAL" **(Title)** and by **YOSHIDA** in "WIRELESS COMMUNICATION SYSTEM" **(Title).**

KHAN, in the same field of endeavor, *means for transmitting an access code request message to an access server* ***(network proxy/controller, see fig. 1: element 102) Aforesaid network proxy 102 can direct voice/data/video communication between VoIP terminals 116: [0018]); Aforesaid VoIP terminal 116 transmits a request [NOTE: access Code Request in the claim] to a network proxy/controller/server: [0011])*** *the access code request message* ***(aforesaid a request)*** *including the destination node identifier and a location identifier identifying a geographical location of the wireless apparatus* ***(aforesaid request comprises, inter alia, "an identification (ID) of the destination point" [NOTE: destination Node Identifier" as in claim]: [0011]; Aforesaid VoIP terminal has, inter alia, " a location determination device 205": [0024]-[0025], Aforesaid VoIP terminal sends/transmits, inter alia, location information to network proxy in the request: [0031]-[0032])***, the access code reply message including an access code based on the location identifier in the access code request message **(Aforesaid network proxy/controller/server 102 connects with aforesaid VoIP Terminal based on its location information: [0031])**, the access

code which communications between the wireless apparatus and the destination node can be conducted **Two Voice Over IP (VoIP) terminals communicate with each other using gateway: [0011]; The request can therefore represent a registration of the VoIP terminal ith the network proxy 102, or a mobile or network origination call invoked by the end user by dialing a phone number. The destination point can be another VoIP terminal 116: [0028]**), means for causing the wireless apparatus to establish communications with the destination node ,, in the access code reply message, the access code being based on the location identifier transmitted in the access code request message **(Aforesaid network proxy 102 in step 326 identifies a location of the VoIP terminal 116 and proceeds to step 312 to enable communications between the VoIP terminal 116 and the PSAP with location information: [0033] last few lines; The destination point can be another VoIP terminal 116, an emergency response center such as a public service access point (PSAP--911), and/or a POTS or circuit-switched communication terminal: [0028]; [0031]; Two Voice Over IP (VoIP) terminals communicate with each other using gateway: [0011]; a VoIP terminal 116 can be programmed to receive a request from an end user to establish service with the network proxy 102 or communications with a destination point: [0028]; VoIP Terminal connections using GW 114: [0029])**..

Therefore, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to provide the technique of **KHAN** to the system of **ALBINA** in order to processing a communication request from a roaming VoIP terminal **(KHAN,**

[0002]). The motivation would be to improve and enhance emergency response while traveling outside the home network **(KHAN, [0004]).**

Furthermore, the combination does not explicitly disclose: *the access code identifying a communications channel on a gateway,* means for causing the wireless apparatus to establish communications with the destination node *"through the communications channel identified by the access code.*

YOSHIDA, in the same field of endeavor, discloses*: the access code identifying a communications channel on a gateway* **see fig. 3: Terminal 3602 stats communicating with terminal 3603 through a channel identified by access point 3601: [abstract]; [0009]-[0011]),** means for causing the wireless apparatus to establish communications with the destination node *"through the communications channel identified by the access code* ***(see fig. 5: terminal 3802 connects to terminal 3803 using Access point 3801: [0009], [0011], [0014]-[0022], also see fig. 16).***

Therefore, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to provide the technique of **YOSHIDA** to the system of **ALBINA** and **KHAN** in order to provide direct connection between wireless terminals **(YOSHIDA, [0002]).** The motivation would be to improve and enhance direct connection for inter-terminal direct communication **(YOSHIDA, [0010]).**

Regarding claim 21, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein the transmitting means comprises a non- voice network interface for transmitting the access code request message to the access server on a non-voice network **(sensing request using mobile data network 106; mobile communication device 102 providing a data message to mobile data network 106, which is delivered to application server 110: [0033]).**

Regarding claim 22, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein the means for transmitting includes means for transmitting the access code request message as a Short Messaging Service (SMS) message **(sensing request using mobile data network 106; mobile communication device 102 providing a data message to mobile data network 106, which is delivered to application server 110: [0033]; A. Originating cellular phone 1002 sends a data message using, for example, 1XRTT, WAP, SMS, etc. to an SIP application service (application server 1006): [0058]).**

Regarding claim 23, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein the means for transmitting comprises means for transmitting the access code request message on a voice network (**fig. 2 where Mobile communication sent request using PSTN 108 network; mobile communication device 102 initiates a voice call (via PSTN 108) to the TDN which terminates at PSTN-to-VoIP gateway 112: [0033]).**

Regarding claim 24, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein the means for transmitting the access code request message on a voice network comprises means for transmitting the access code request message as a Short Messaging Service (SMS) message **(sensing request using mobile data network 106; mobile communication device 102 providing a data message to mobile data network 106, which is delivered to application server 110: [0033]; A. Originating cellular phone 1002 sends a data message using, for example, 1XRTT, WAP, SMS, etc. to an SIP application service (application server 1006): [0058]).**

Regarding claim 25, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, KHAN** teaches, wherein the location identifier comprises an Internet Protocol (IP) address of the wireless apparatus in a wireless IP network **(IP address of VoIP terminal: [0003]).**

Regarding claim 26, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein the location identifier comprises an identifier of a wireless voice signal station in wireless communication with the wireless apparatus **(The cellular-to-VoIP call establishment process establishes a voice session from originating cellular telephone 1002 to a SIP-based VoIP destination client 1014 using a temporary directory number (TDN: [0057]).**

Regarding claim 27, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, KHAN** teaches, wherein the location identifier comprises a user- configured identifier of

a location associated with the wireless apparatus **(not a fixed location but variable location of VoIP terminal: [0003]).**

Regarding claim 28, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein the means for receiving an access code reply message comprises a non-voice network interface for receiving the access code reply message on a non-voice network **(received over data network; mobile data network 106 in fig. 2).**

Regarding claim 10, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein the means for receiving the access code request message comprises means for receiving the access code request message as a Short Messaging Service (SMS) message **(the location information of telephone 100 may be calculated and delivered to VoIP adaptor 105 either via wireless link 113 that may include a radio link such as GPRS or SMS or via a connection 137 from the GMLC/MPC server 145: [0051]).**

Regarding claim 30, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein the means for receiving comprises means for receiving the access code request message on a voice network **(over PSTN network; fig. 2).**

Regarding claim 31, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein the means for receiving the access code request message on

a voice network comprises means for receiving the access code request message as a Short Messaging Service (SMS) message **(the location information of telephone 100 may be calculated and delivered to VoIP adaptor 105 either via wireless link 113 that may include a radio link such as GPRS or SMS or via a connection 137 from the GMLC/MPC server 145: [0051]).**

Regarding claim 32, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein the access code includes a telephone number or an IP address (**see fig. 3: a temporary directory number (TDN); element 306; application server 110 receives the data message from the client application and associates the identifier with a temporary directory number (TDN): [0038]).**

Regarding claim 33, the combination of **Albina, KHAN** and **YOSHIDA,,** specifically**, Albina** teaches, wherein the means for establishing communications comprises a mobile telephone network interface **(mobile communication device 102 has a wireless interface to communicate with mobile network in fig. 1).**

Regarding claim 34, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches,

a routing controller **(gateway has a routing controller);** and

the access server , wherein an access server comprising:

means for receiving from the wireless apparatus the access code request message **(see fig. 1: application server 110 received request from mobile communication device 102 in fig. 1: also fig. 3 element 202, 304);**

means for communicating with the routing controller to obtain from the routing controller the access code **(see fig. 3: element 310 where application server communicate with a media gateway)** wherein the access code identifies a communications channel associated with the location identifier **(A. Mobile station 1202 registers with registrar /location server 1210 through PDSN/SGSN (e.g., PDSN 1204). This occurs on application start and reoccurs every "Expires" (see c. below) seconds: [0105])** and wherein the access code is useable by the wireless apparatus to cause the routing controller to establish a call to the destination node using the communications channel **(A. Mobile station 1202 registers with registrar /location server 1210 through PDSN/SGSN (e.g., PDSN 1204). This occurs on application start and reoccurs every "Expires" (see c. below) seconds: [0105]);** and means for transmitting the access code reply message including the access code to the wireless apparatus **(The partner network media gateway returns the ISUP Answer message (ANM) to the originating MSC. [0162] Y. MSC 1206 brings mobile station 1202 up on voice channel. : [0161]).**

Regarding claim 35, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein the means for transmitting the access code reply message comprises means for transmitting the access code reply message as a Short Messaging Service (SMS) message **(sensing request using mobile data network 106; mobile**

communication device 102 providing a data message to mobile data network 106, which is delivered to application server 110: [0033]; A. Originating cellular phone 1002 sends a data message using, for example, 1XRTT, WAP, SMS, etc. to an SIP application service (application server 1006): [0058]).

Regarding claim 36, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein the means for transmitting the access code reply message comprises means for transmitting the access code reply message on a voice network **(fig. 2 where Mobile communication sent request using PSTN 108 network; mobile communication device 102 initiates a voice call (via PSTN 108) to the TDN which terminates at PSTN-to-VoIP gateway 112: [0033]).**

Regarding claim 37, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein the means for transmitting the access code reply message on a voice network comprises means for transmitting the access code request message as a Short Messaging Service (SMS) message **(sensing request using mobile data network 106; mobile communication device 102 providing a data message to mobile data network 106, which is delivered to application server 110: [0033]; A. Originating cellular phone 1002 sends a data message using, for example, 1XRTT, WAP, SMS, etc. to an SIP application service (application server 1006): [0058]).**

Regarding claim 38, **Albina** teaches A wireless apparatus **(aforesaid "wireless apparatus" detail in fig. 1 where mobile communication device 102 (aforesaid**

"wireless apparatus") communication with VoIP destination device 104; see Fig. 6: mobile communication device 102; (aforesaid Wireless Service Provider 116; a communication system 100 for enabling a mobile communication device 102 (e.g., a cellular telephone or other wireless device) to initiate and establish communication with a VoIP destination device 104. Communication system 100 provides the communication infrastructure for implementing unique cellular-to-VoIP call establishment processes. The call establishment process is from the cellular or wireless end (mobile communication device 102) to the VoIP end (VoIP destination device 104). In other words, the cellular-to-VoIP call establishment processes enable the user of a cellular or wireless telephone (or other mobile communication device) to place a call to a VoIP destination device: [0027])) comprising: a processor circuit comprising at least one processor **(see Fig. 6: processor 614);** a network interface in communication with the processor circuit **(see Fig. 6: wireless transceiver 616 which communicate with processor 614);** and a non-transitory computer readable medium **(see Fig. 6: memory 618)** having computer executable codes stored thereon for directing the processor circuit to cooperate with the network interface to **(memory instruct processor to communicate with wireless transceiver 616: memory 618 comprises specially-configured logic (i.e., cellular-to-VoIP call establishment module 600) and a list 620 of contacts. Module 600 comprises the logic for implementing the cellular-to-VoIP call establishment process on mobile communication device 102: [0042]):** receive from a user of the wireless apparatus a destination node identifier associated with a destination node with which the user wishes to communicate **(mobile**

communication device 102 receives contact information to contact VoIP Destination device 104 from a user of mobile communication device 102; Fig. 3: element 302; also fig 7 element 702); receive an access code reply message from the access server in response to the access code request message **(mobile communication device 102 receives access code reply message from server; Fig. 3 element 306: the client application receives the TDN and initiates a PSTN call to the TDN: [0038]),** the access code identifying a communications channel on a gateway **(see Fig. 11: SIP Gateway 1112)** through which communications between the wireless apparatus **(Fig. 1: element 102: Mobile communication Device 102, Element 1102 in Fig. 11)** and the destination node **(Fig. 1: element 104: VoIP Destination Device 104, element 1116 in Fig. 11)** can be conducted **(see fig. 4 element 706, 708: At block 706, module 600 receives a reply message from application server 110, which contains a TDN. At block 708, module 600 triggers a PSTN call to the TDN. If the VoIP destination is available, at block 710, the PSTN call may be answered and bridged to a connection with VoIP destination device 104: [0046]; The wireless operator's IP network element routes the response to mobile station 1102 (aforesaid Mobile Communication Device 102 in Fig. 1). The client application (which is installed in Mobile Communication Device 102) retrieves the VoIP network provider E.164 number and places a traditional wireless telephony call to the E.164 number. The voice channel is assigned to mobile station 1102: [0087-[0090],** The access code being distinct from the destination node identifier **(TDN number is different that initial contact number; the media gateway sends a request to application server 110. The media gateway may provide information**

associated with the TDN to application server 110. Application server 110 receives the TDN, matches it to the corresponding identifier associated with the VoIP destination, and returns the identifier to the media gateway (block 314): [0038]); and establish communications between the wireless device and the destination node "t*hrough the communications channel identified by the access code"* **(See Fig. 3: element 316: the media gateway establishes a session between mobile communication device 102 and VoIP destination device 104: [0038] last two lines).**

Albina, when teaching "*receiving from a user of the wireless device a destination node identifier associated with the destination node"*, **Albina** appears silent on "transmit an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless apparatus, the access code reply message including an access code based on the location identifier in the access code request message, initiate communications from the wireless apparatus ... to establish communications between the wireless apparatus and the destination node through the communications channel identified by the access code" the access code reply message including an access code based on the location identifier in the access code request message" which however had been known in the art at the time of instant application such as shown by **Khan** in "METHOD AND APPARATUS FOR PROCESSING A COMMUNICATION REQUEST FROM A ROAMING VOICE OVER IP TERMINAL" **(Title)** and by **YOSHIDA** in "WIRELESS COMMUNICATION SYSTEM" **(Title).**

KHAN, in the same field of endeavor, discloses: "transmit an access code request message to an access server ***(network proxy/controller, see fig. 1: element 102) Aforesaid network proxy can direct voice/data/video communication between VoIP terminals 116: [0018]); Aforesaid VoIP terminal transmits a request [NOTE: access Code Request in the claim] to a network proxy/controller/server: [0011]),*** the access code request message ***(aforesaid a request)*** including the destination node identifier and a location identifier identifying a geographical location of the wireless apparatus ***(aforesaid request comprises, inter alia, "an identification (ID) of the destination point" [NOTE: destination Node Identifier" as in claim]: [0011]; Aforesaid VoIP terminal has, inter alia, " a location determination device 205": [0024]-[0025], Aforesaid VoIP terminal sends/transmits, inter alia, location information to network proxy in the request: [0031]-[0032]),*** the access code reply message including an access code based on the location identifier in the access code request message **(Aforesaid network proxy/controller/server 102 connects with aforesaid VoIP Terminal based on its location information: [0031])**. initiate communications from the wireless apparatus ... to establish communications between the wireless apparatus and the destination node **(Aforesaid network proxy identifies a location of the VoIP terminal and proceeds to step 312 to enable communications between the VoIP terminal and the PSAP with location information: [0033] last few lines; The destination point can be another VoIP terminal 116, an emergency response center such as a public service access point (PSAP--911), and/or a POTS or circuit-switched communication terminal: [0028]; [0031]; Two Voice Over IP (VoIP) terminals communicate with each other**

using gateway: [0011]; a VoIP terminal can be programmed to receive a request from an end user to establish service with the network proxy 102 or communications with a destination point: [0028]; VoIP Terminal connections using GW 114: [0029]).

Therefore, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to provide the technique of **KHAN** to the system of **ALBINA** in order to processing a communication request from a roaming VoIP terminal **(KHAN, [0002]).** The motivation would be to improve and enhance emergency response while traveling outside the home network **(KHAN, [0004]).**

Furthermore, the combination does not explicitly disclose: establish communications between the wireless apparatus and the destination node *through the communications channel identified by the access code.*

YOSHIDA, in the same field of endeavor, discloses: establish communications between the wireless apparatus and the destination node *through the communications channel identified by the access code* ***(see fig. 5: terminal 3802 connects to terminal 3803 using Access point 3801: [0009], [0011], [0014]-[0022], also see fig. 16).***

Therefore, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to provide the technique of **YOSHIDA** to the system of **ALBINA** and **KHAN** in order to provide direct connection between wireless terminals

(YOSHIDA, [0002]). The motivation would be to improve and enhance direct connection for inter-terminal direct communication **(YOSHIDA, [0010]).**

Regarding claim 39, the claim is interpreted and rejected for the same reason as set forth in **claim 2.**

Regarding claim 40, the claim is interpreted and rejected for the same reason as set forth in **claim 3.**

Regarding claim 41, the claim is interpreted and rejected for the same reason as set forth in **claim 4.**

Regarding claim 42, the claim is interpreted and rejected for the same reason as set forth in **claim 5.**

Regarding claim 43, the claim is interpreted and rejected for the same reason as set forth in **claim 6.**

Regarding claim 44, the claim is interpreted and rejected for the same reason as set forth in **claim 7.**

Regarding claim 45, the claim is interpreted and rejected for the same reason as set forth in **claim 8.**

Regarding claim 46, the claim is interpreted and rejected for the same reason as set forth in **claim 9.**

Regarding claim 47, the claim is interpreted and rejected for the same reason as set forth in **claim 6.**

Regarding claim 48, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, KHAN** teaches, wherein the network interface comprises a mobile telephone network interface, and wherein the codes for directing the processor circuit to establish communications between the wireless device and the destination node to include codes for directing the processor circuit to cause a call to be initiated using the mobile telephone network interface on a mobile telephone network **(see fig. 1 : mobile terminal to mobile terminal call: [0015]-[0020]).**

Regarding claim 49, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, further comprising: a routing controller **(gateway has a routing controller**; and

an access server comprising a processor circuit and a computer readable medium in communication with the processor circuit, the computer readable medium encoded with codes for directing the processor circuit of the access server to:

receive the access code request message from the wireless apparatus **(see fig. 1: application server 110 received request from mobile communication device 102 in fig. 1: also fig. 3 element 202, 304);** communicate with the routing controller to obtain from the routing controller the access code wherein the access code identifies a communications channel associated with the location identifier and wherein the access code is useable by the wireless apparatus to cause the routing controller to establish a call to the destination node using the communications channel **A. Mobile station 1202 registers with registrar /location server 1210 through PDSN/SGSN (e.g., PDSN 1204). This occurs on application start and reoccurs every "Expires" (see c.**

below) seconds: [0105]); and transmit the access code reply message to the wireless apparatus **(The partner network media gateway returns the ISUP Answer message (ANM) to the originating MSC. [0162] Y. MSC 1206 brings mobile station 1202 up on voice channel. : [0161]).**

Regarding claim 50, **Albina** teaches a non-transitory computer readable medium having stored thereon computer executable codes for directing a processor circuit of a wireless device **("wireless apparatus" detail in fig. 1 where mobile communication device 102 (aforesaid "wireless apparatus")** to establish communications with a destination node on a network **(Wireless Service Provider 116; a communication system 100 for enabling a mobile communication device 102 (e.g., a cellular telephone or other wireless device) to initiate and establish communication with a VoIP destination device 104. Communication system 100 provides the communication infrastructure for implementing unique cellular-to-VoIP call establishment processes. The call establishment process is from the cellular or wireless end (mobile communication device 102) to the VoIP end (VoIP destination device 104). In other words, the cellular-to-VoIP call establishment processes enable the user of a cellular or wireless telephone (or other mobile communication device) to place a call to a VoIP destination device: [0027])**, the codes comprising codes for directing the processor circuit **(see fig. 6: processor)** to : cause the wireless device to receive from a user of the wireless device a destination node identifier associated with the destination node **(mobile communication device 102 receives contact information to contact VoIP Destination device 104 from a**

user of mobile communication device 102; Fig. 3: element 302; also fig 7 element 702); "*c*ause the wireless device to transmit an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device" *(NOTE: this part of the claim will be address by different reference below])* ; cause the wireless device to receive an access code reply message **(mobile communication device 102 receives access code reply message from server; Fig. 3 element 306: the client application receives the TDN and initiates a PSTN call to the TDN: [0038])** comprising access code identifying an Internet Protocol (IP) address based on the location identifier in the access code request message ***(NOTE: this part of the claim will be address by different reference below])***, the access code representing a communications channel of a network element in the network on a gateway **(see Fig. 11: SIP Gateway 1112)** through which communications between the wireless device and the destination node **(Fig. 1: element 104: VoIP Destination Device 104, element 1116 in Fig. 11)** can be conducted **(see fig. 4 element 706, 708: At block 706, module 600 receives a reply message from application server 110, which contains a TDN. At block 708, module 600 triggers a PSTN call to the TDN. If the VoIP destination is available, at block 710, the PSTN call may be answered and bridged to a connection with VoIP destination device 104: [0046]; The wireless operator's IP network element routes the response to mobile station 1102 (aforesaid Mobile Communication Device 102 in Fig. 1). The client application (which is installed in Mobile Communication Device 102) retrieves the VoIP network provider E.164 number and places a traditional wireless telephony**

call to the E.164 number. The voice channel is assigned to mobile station 1102: [0087-[0090], *the communications channel being associated with the geographical location of the wireless device* ***(NOTE: this part of the claim will be address by different reference below]),*** the access code being distinct from the destination node identifier **(TDN number is different that initial contact number; the media gateway sends a request to application server 110. The media gateway may provide information associated with the TDN to application server 110. Application server 110 receives the TDN, matches it to the corresponding identifier associated with the VoIP destination, and returns the identifier to the media gateway (block 314): [0038])**; and cause the wireless device to use the access code **(See Fig. 3: element 316: the media gateway establishes a session between mobile communication device 102 and VoIP destination device 104: [0038] last two lines)** *comprising the Internet Protocol (IP) address based on the location identifier to establish communications between the wireless device and the destination node through the communications channel of the network element identified by the access code* ***(NOTE: this part of the claim will be address by different reference below]),***

Albina, when teaching "*cause the wireless device to receive from a user of the wireless device a destination node identifier associated with the destination node*", **Albina** appears silent on "cause the wireless device to transmit an access code request message to an access server, the access code request message including the destination node identifier and a location identifier identifying a geographical location of the wireless device; ..access code reply message **...** comprising access code

identifying an Internet Protocol (IP) address based on the location identifier in the access code request message; *the communications channel being associated with the geographical location of the wireless device*; use the access code ***....****comprising the Internet Protocol (IP) address based on the location identifier to establish communications between the wireless device and the destination node through the communications channel of the network element identified by the access code*"

which however had been known in the art at the time of instant application such as shown by **Khan** in "METHOD AND APPARATUS FOR PROCESSING A COMMUNICATION REQUEST FROM A ROAMING VOICE OVER IP TERMINAL" **(Title)** and by **YOSHIDA** in "WIRELESS COMMUNICATION SYSTEM" **(Title).**

Khan , in the same field of endeavor, discloses: cause the wireless device to transmit an access code request message to an access server ***(network proxy/controller, see fig. 1: element 102) Aforesaid network proxy 102 can direct voice/data/video communication between VoIP terminals 116: [0018]); Aforesaid VoIP terminal 116 transmits a request [NOTE: access Code Request in the claim] to a network proxy/controller/server: [0011])***, the access code request message ***(aforesaid a request)*** including the destination node identifier and a location identifier identifying a geographical location of the wireless device ***(aforesaid request comprises, inter alia, "an identification (ID) of the destination point" [NOTE: destination Node Identifier" as in claim]: [0011]; Aforesaid VoIP terminal has, inter alia, " a location determination device 205": [0024]-[0025], Aforesaid VoIP terminal sends/transmits, inter alia, location information to network proxy in the request:***

[0031]-[0032]); ..access code reply message **…** comprising access code identifying an Internet Protocol (IP) address based on the location identifier in the access code request message **(Aforesaid network proxy/controller/server 102 connects with aforesaid VoIP Terminal based on its location information: [0031]; the ID of the VoIP terminal whether the VoIP terminal is roaming outside of a home network:[abstract]; IP address which is not fixed to a single location [NOTE IP address based on location]: [0003])**, *the communications channel being associated with the geographical location of the wireless device* ; use the access code ….*comprising the Internet Protocol (IP) address based on the location identifier to establish communications between the wireless device and the destination node "through the communications channel of the network element identified by the access code" (**[NOTE: this part of the claim will be address by another reference below])*** **(Aforesaid network proxy 102 in step 326 identifies a location of the VoIP terminal 116 and proceeds to step 312 to enable communications between the VoIP terminal 116 and the PSAP with location information: [0033] last few lines; The destination point can be another VoIP terminal 116, an emergency response center such as a public service access point (PSAP--911), and/or a POTS or circuit-switched communication terminal: [0028]; [0031]; Two Voice Over IP (VoIP) terminals communicate with each other using gateway: [0011]; a VoIP terminal 116 can be programmed to receive a request from an end user to establish service with the network proxy 102 or communications with a destination point: [0028]; VoIP Terminal connections using GW 114: [0029]).**

Therefore, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to provide the technique of **KHAN** to the system of **ALBINA** in order to processing a communication request from a roaming VoIP terminal **(KHAN, [0002]).** The motivation would be to improve and enhance emergency response while traveling outside the home network **(KHAN, [0004]).**

Furthermore, the combination does not explicitly disclose: use the access code **…..***to establish communications between the wireless device and the destination node "through the communications channel of the network element identified by the access code.*

YOSHIDA, in the same field of endeavor, discloses: use the access code **…..***to establish communications between the wireless device and the destination node "through the communications channel of the network element identified by the access code* ***(see fig. 5: terminal 3802 connects to terminal 3803 using Access point 3801: [0009], [0011], [0014]-[0022], also see fig. 16).***

Therefore, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to provide the technique of **YOSHIDA** to the system of **ALBINA** and **KHAN** in order to provide direct connection between wireless terminals **(YOSHIDA, [0002]).** The motivation would be to improve and enhance direct connection for inter-terminal direct communication **(YOSHIDA, [0010]).**

Regarding claim 51, the claim is interpreted and rejected for the same reason as set forth in **claim 1.**

Regarding claim 52, the claim is interpreted and rejected for the same reason as set forth in **claim 2.**

Regarding claim 53, the claim is interpreted and rejected for the same reason as set forth in **claim 3.**

Regarding claim 54, the claim is interpreted and rejected for the same reason as set forth in **claim 4.**

Regarding claim 55, the claim is interpreted and rejected for the same reason as set forth in **claim 5.**

Regarding claim 56, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein the routing controller is operably configured to route a call between the wireless device and the destination node when the wireless device uses the access code to establish communications between the wireless device and the destination node **(see fig. 2 where PSTN-TO-VoIP Gateway 112 router the call from mobile communication device 102 to VoIP destination device 104: PSTN-to-VoIP gateway 112 detects the incoming call to the TDN and, in response, sends a query to application server 110 requesting the unique identifier associated with the**

TDN. At reference E, application server 110 sends an invite message to VoIP destination device 104: [0033]).

Regarding claim 57, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, KHAN** teaches, wherein causing the routing controller to produce the access code comprises causing the access code to be selected from a pool of access codes **(MAC address, location, RFID device: [0025]; ID from a database of IDs: [0030]).**

Regarding claim 58, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, KHAN** teaches, further comprising determining from the location identifier a local calling area associated with the wireless device and causing the access server to select an access code associated with a calling area matching the local calling area associated with the wireless device **(see Fig. 1]).**

Regarding claim 59, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, further comprising accessing a location field of a dialing profile associated with the wireless device when a local calling area cannot be determined from the location identifier and determining a local calling area associated with the wireless device from the contents of the location field and selecting an access code associated with a calling area matching the local calling area associated with the wireless device **(A media gateway receives the call and routes the SIP signaling associated with the destination phone number (the assigned local temporary number) to the SIP application server. ([0052-0054]).**

Regarding claim 60, the claim is interpreted and rejected for the same reason as set forth in **claim 6.**

Regarding claim 61, the claim is interpreted and rejected for the same reason as set forth in **claim 7.**

Regarding claim 62, the claim is interpreted and rejected for the same reason as set forth in **claim 8.**

Regarding claim 63, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein at least one of the access codes in the pool of access codes identifies an IP network address as a possible communications channel through which the communications can be conducted **(IP address: [0019]).**

Regarding claim 64, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein the access code identifies an IP network address as a possible communications channel through which the communications can be conducted, the method further comprising enabling communications between the wireless device and the destination node to be established through an IP network in response to a call received at the IP network address from the wireless device using the access code identifying the iP network address **(The wireless operator's IP network element forwards the IP packets to SIP application server 1108. [0086] C. SIP application**

server 1108 responds to the IP query with, for example, a VoIP network provider E.164 number based on the information received in the query, and returns the information. SIP application server 1108 stores all relevant information regarding the query/response data in context (memory). [0085][0086]).

Regarding claim 65, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein at least one of the access codes identifies a telephone number as a possible communications channel through which the communications can be conducted **(telephone number; abstract).**

Regarding claim 66, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, further comprising enabling communications between the wireless device and the destination node to be established through a public switched telephone network (PSTN) in response to a call received at the telephone number from the wireless device using the access code identifying the telephone number **(see Fig. 2: PSTN network 108).**

Regarding claim 67, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein the access code request message includes a caller identifier and wherein the method further comprises associating the caller identifier included in the access code request message with the access code produced by the routing controller **(identifying a temporary directory number (TDN): [abstract]).**

Regarding claim 68, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, further comprising enabling the routing controller to facilitate communications in response to use of the access code by the wireless device only if the caller identifier associated with the access code used by the wireless device to establish communications with the destination node identifies the wireless device **(see fig. 4: SEND TDN to the Mobile phone: application server 110 sends the TDN to mobile communication device 102: [0039]).**

Regarding claim 69, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, further comprising associating the destination node identifier included in the access code request message with the access code produced by the routing controller **(see fig. 7: element 708: module 600 triggers a PSTN call to the TDN. If the VoIP destination is available, at block 710, the PSTN call may be answered and bridged to a connection with VoIP destination device 104: [0046]).**

Regarding claim 70, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein the associating the caller identifier and the destination node identifier with the selected access code occurs only when: a) the access code is not already associated with a destination node identifier; or b) the access code is already associated with another destination node identifier, and a timeout value associated with the another destination node identifier has expired **(A business-rule-defined timer may be set and the client application (on originating cellular phone 1002) configured to await a call to the TDN. : [0060]).**

Regarding claim 71, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, further comprising causing a timestamp to be associated with the access code, for use in determining when the usability of the access code to initiate a call to the destination node will expire, and causing the timestamp to be included in the access code reply message transmitted to the wireless device **(A business-rule-defined timer may be set and the client application (on originating cellular phone 1002) configured to await a call to the TDN. : [0060]).**

Regarding claim 72, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, further comprising causing communications to be permitted between the wireless device and the destination node when the wireless device seeks to establish a call to the destination node using the access code transmitted in the access code reply message when the timestamp associated with the access code indicates the usability of the access code has not expired, and causing the communications to be prevented when the timestamp indicates the usability of the access code has expired **(A business-rule-defined timer may be set and the client application (on originating cellular phone 1002) configured to await a call to the TDN. : [0060]).**

Regarding claim 73, the claim is interpreted and rejected for the same reason as set forth in **claim 2.**

Regarding claim 74, the claim is interpreted and rejected for the same reason as set forth in **claim 3.**

Regarding claim 75, the claim is interpreted and rejected for the same reason as set forth in **claim 4.**

Regarding claim 76, the claim is interpreted and rejected for the same reason as set forth in **claim 5.**

Regarding claim 77, the claim is interpreted and rejected for the same reason as set forth in **claim 1.**

Regarding claim 74-81, the claim is interpreted and rejected for the same reason as set forth in **claim 2-5** respectively

Regarding claim 82, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, further comprising the routing controller and wherein routing controller is operably configured to route a call between the wireless device and the destination node **(.See Fig. 1-2: call through wireless network)**

Regarding claim 83, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, KHAN** teaches, wherein the routing controller is operably configured to select the access code from a pool of access codes **(.See Fig. 2: Location , RFID identification).**

Regarding claim 84, the claim is interpreted and rejected for the same reason as set forth in **claim 59.**

Regarding claim 85, the combination of **Albina, KHAN** and **YOSHIDA** teach, a dialing profile associated with the wireless device, the dialing profile including a location field (**KHAN: [0004], [0024]);** and wherein the routing controller is operably configured to determine a local calling area associated with the wireless device from the contents of the location field and to select an access code associated with a calling area matching the local calling area associated with the wireless device, when a local calling area associated with the wireless device cannot be determined from the location identifier **(Albina: [0047]-[0048]]**

Regarding claim 86-88, the claim is interpreted and rejected for the same reason as set forth in **claim 25-27.**

Regarding claim 89-102, the claim is interpreted and rejected for the same reason as set forth in **claim 63-76.**

Regarding claim 103, the claim is interpreted and rejected for the same reason as set forth in **claim 77 or claim 1.**

Regarding claim 104-116, the claim is interpreted and rejected for the same reason as set forth in **claim 2-10.**

Regarding claim 117-124, the claim is interpreted and rejected for the same reason as set forth in **claim 65-72.**

Regarding claim 125-128, the claim is interpreted and rejected for the same reason as set forth in **claim 2-5.**

Regarding claim 129, the claim is interpreted and rejected for the same reason as set forth in **claim 103.**

Regarding claim 134, the combination of **Albina, KHAN** and **YOSHIDA** teach, wherein causing the routing controller to produce the access code further comprises: determining, from the location identifier, a current location of the wireless device (***KHAN*: current location of the VoIP terminal: [0004]**); and searching an access code association database table to identify an access code associated with the current location of the wireless device but not presently associated with communications to any destination node (***KHAN*: a location determination device 205 determines current location: [0024]-[0025]**), to produce the access code transmitted in the access code reply message (***Albina:* see fig. 7: element 708: module 600 triggers a PSTN call to the TDN. If the VoIP destination is available, at block 710, the PSTN call may be answered and bridged to a connection with VoIP destination device 104: [0046]).**

Regarding claim 135, the combination of **Albina, KHAN** and **YOSHIDA,** specifically**, Albina** teaches, wherein the access code request message is transmitted from the wireless device via a WiFi network and the access code reply message is received by the wireless device via the WiFi network (WiFi network/cellular network: **[0020]-[0040]**).

Regarding claim 136, the combination of **Albina, KHAN** and **YOSHIDA,** specifically, **KHAN** teaches, wherein the destination node identifier and the location identifier are transmitted at the same time **([0004], [0024]-[0025]]**).

Regarding claim 137, the combination of **Albina, KHAN** and **YOSHIDA**, specifically, **KHAN** teaches, wherein the access code is based on an area code corresponding with a location identified by the location identifier **(VoIP terminal location: [0004], [0024]-[0025]]**).

Regarding claim 138, the combination of **Albina, KHAN** and **YOSHIDA**, specifically, **Albina** teaches, wherein the access code reply message identifies an Internet Protocol (IP) network address of the communications channel through which the communications can be conducted, wherein the access code is useable by the wireless device to initiate the communications with the destination node through the communications channel **([001], [0028]-[0029])**.

Regarding claim 139, the combination of **Albina, KHAN** and **YOSHIDA,** specifically, **KHAN** teaches, wherein the access code reply message identifies an Internet Protocol

(IP) network address associated with the communications channel through which the communications can be conducted (**aforesaid *network proxy/controller receives a request from VoIP terminal which includes, inter alia, "an identification (ID) of the destination point" and "an ID of the VoIP terminal" which can be MAC address :[abstract], [0029], Also an ID of the VoIP terminal can be "location based IP address" [NOTE: a first IP address based on location] : [0003]***), wherein the Internet Protocol (IP) network address is useable by the wireless device to initiate the communications with the destination node through the communications channel ([0011], **[0028]-[0031]**).

Regarding claim 140 the combination of **Albina, KHAN** and **YOSHIDA** ,specifically, **KHAN** teaches further comprising: (a) receiving, in the access code reply message, an Internet Protocol (IP) address; and (b) establishing the communications between the wireless device and the destination node based on the Internet Protocol (IP) address received in the access code reply message (**[0004], [0017]-[0021]**).

Regarding claim 141, the combination of **Albina, KHAN** and **YOSHIDA** specifically, **Albina** teaches, wherein the access code received in the access code reply message does not comprise a telephone number (**VoIP Encoding VoIP : [0022-0025]**).

Claims 130-133 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over **Albina** et al. (US **20080056235** A1; hereinafter as "**Albina**") in view

of **KHAN** et al. (US **20070286170** A1) hereinafter as "**KHAN**) and further n view of **Castleberry** et al. (US **20040240439** A1) hereinafter as "**Castleberry**).

Regarding claim 130, **Albina** teaches A method of operating an apparatus **(see fig. 1: VoIP Server: 120)** for enabling a wireless device (**mobile communication device 102)** to establish communications with a destination node (**VoIP destination device 104) ("method" details in fig. 1 where mobile communication device 102 communicate with VoIP destination device 104 using wireless network 116)**, the method comprising: receiving a request message including a destination node identifier associated with the destination node **(VoIP server receives request to connect from aforesaid mobile communication device 102; with mobile communication device 102 providing a data message to mobile data network 106, which is delivered to application server 110. While the data message is initially carried via mobile data network 106, it should be appreciated that the data message may be routed to other communication networks (wireless or wired) before arriving at application server 110. The data message from mobile communication device 102 comprises information associated with VoIP destination device 104: [0033]);** receiving from the wireless device a request message **(mobile communication device 102 receives contact information to contact VoIP Destination device 104 from a user of mobile communication device 102; Fig. 3: element 302; also fig 7 element 702) "***including a destination node identifier associated with the destination node and a location identifier associated with a geographical location of the wireless device*"[***NOTE this part of the claim will be addressed by another reference below])***,** wherein the location

identifier comprises a first Internet Protocol (IP) address associated with the wireless device ***NOTE this part of the claim will be addressed by another reference below])***; in response to receiving the request message, "producing an access code identifying a second Internet Protocol (IP) address associated with a gateway IP network communication device through which" ([***NOTE this part of the claim will be addressed by another reference below]),*** communications between the wireless device **(Fig. 1: element 102: Mobile communication Device 102, Element 1102 in Fig. 11)** and the destination node **(Fig. 1: element 104: VoIP Destination Device 104, element 1116 in Fig. 11)** can be conducted **(see fig. 7 element 706, 708: At block 706, module 600 receives a reply message from application server 110, which contains a TDN. At block 708, module 600 triggers a PSTN call to the TDN. If the VoIP destination is available, at block 710, the PSTN call may be answered and bridged to a connection with VoIP destination device 104: [0046]; the wireless operator's IP network element routes the response to mobile station 1102 (aforesaid Mobile Communication Device 102 in Fig. 1). The client application (which is installed in Mobile Communication Device 102) retrieves the VoIP network provider E.164 number and places a traditional wireless telephony call to the E.164 number. The voice channel is assigned to mobile station 1102: [0087-[0090]**, wherein the access code is produced based on the location identifier received from the wireless device, wherein the access code is useable by the wireless device to initiate communications with the destination node through the IP network communication device gateway ([***NOTE this part of the claim will be addressed by another reference below])***; and transmitting a reply message including the access

code to the wireless device **(See Fig. 3: element 316: the media gateway establishes a session between mobile communication device 102 and VoIP destination device 104: [0038] last two lines).**

Albina, when teaching "receiving from the wireless device a request message including a destination node identifier associated with the destination node", **Albina** appears silent on "receiving .. a request message including a destination node identifier associated with the destination node and a location identifier associated with a geographical location of the wireless device; wherein the location identifier comprises a first Internet Protocol (IP) address associated with the wireless device; producing an access code identifying a second Internet Protocol (IP) address associated with a gateway IP network communication device, wherein the access code is produced based on the location identifier received from the wireless device, wherein the access code is useable by the wireless device to initiate communications with the destination node through the IP network communication device gateway; wherein the second Internet Protocol (IP) address is based on the location identifier and is used by the wireless device to initiate communications with the destination node through the communication channel on the IP network communication device" which however had been known in the art at the time of instant application such as shown by **Khan** in "METHOD AND APPARATUS FOR PROCESSING A COMMUNICATION REQUEST FROM A ROAMING VOICE OVER IP TERMINAL" **(Title)** and by **YOSHIDA** in "WIRELESS COMMUNICATION SYSTEM" **(Title).**

KHAN, in the same field of endeavor, discloses: "receiving .. a request message ***(network proxy/controller, see fig. 1: element 102 receives a request)*** including a destination node identifier associated with the destination node and a location identifier associated with a geographical location of the wireless device (***a network proxy/controller/server receives from VoIP terminal 116 a request: [0011]; (aforesaid request comprises, inter alia, "an identification (ID) of the destination point" [NOTE: destination Node Identifier" as in claim]: [0011]; Aforesaid VoIP terminal has, inter alia, " a location determination device 205": [0024]-[0025], Aforesaid VoIP terminal sends/transmits, inter alia, location information to network proxy in the request: [0031]-[0032])***; wherein the location identifier comprises a first Internet Protocol (IP) address associated with the wireless device (**aforesaid** ***network proxy/controller receives a request from VoIP terminal which includes, inter alia, "an identification (ID) of the destination point" and "an ID of the VoIP terminal" which can be MAC address :[abstract], [0029], Also an ID of the VoIP terminal can be "location based IP address" [NOTE: a first IP address based on location] : [0003]***); producing an access code "*identifying a second Internet Protocol (IP) address associated with a gateway IP network communication device*" ***[NOTE this part of the claim will be address below])***, wherein the access code is produced based on the location identifier received from the wireless device ***(aforesaid request comprises, inter alia, "an identification (ID) of the destination point" [NOTE: destination Node Identifier" as in claim]: [0011]; Aforesaid VoIP terminal has, inter alia, " a location determination device 205": [0024]-[0025], Aforesaid VoIP terminal sends/transmits, inter alia, location information to network proxy in***

the request: [0031]-[0032]), wherein the access code is useable by the wireless device to initiate communications with the destination node through the IP network communication device gateway **(Aforesaid network proxy 102 in step 326 identifies a location of the VoIP terminal 116 and proceeds to step 312 to enable communications between the VoIP terminal 116 and the PSAP with location information: [0033] last few lines; The destination point can be another VoIP terminal 116, an emergency response center such as a public service access point (PSAP--911), and/or a POTS or circuit-switched communication terminal: [0028]; [0031]; Two Voice Over IP (VoIP) terminals communicate with each other using gateway: [0011]; a VoIP terminal 116 can be programmed to receive a request from an end user to establish service with the network proxy 102 or communications with a destination point: [0028]; VoIP Terminal connections using GW 114: [0029])**; *"wherein the second Internet Protocol (IP) address is based on the location identifier"* (***[NOTE: this part of the claim will be address by another reference below])*** and is used by the wireless device to initiate communications with the destination node through the communication channel on the IP network communication device **(Aforesaid network proxy 102 in step 326 identifies a location of the VoIP terminal 116 and proceeds to step 312 to enable communications between the VoIP terminal 116 and the PSAP with location information: [0033] last few lines; Two Voice Over IP (VoIP) terminals communicate with each other using gateway: [0011).**

Therefore, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to provide the technique of **KHAN** to the system of **ALBINA** in order to processing a communication request from a roaming VoIP terminal **(KHAN, [0002]).** The motivation would be to improve and enhance emergency response while traveling outside the home network **(KHAN, [0004]).**

Furthermore, the combination does not explicitly disclose: producing an access code *identifying a second Internet Protocol (IP) address associated with a gateway IP network communication device; wherein the second Internet Protocol (IP) address is based on the location identifier.*

Castleberry, in the same field of endeavor, discloses: producing an access code *identifying a second Internet Protocol (IP) address associated with a gateway IP network communication device* ***(see fig. 1 where the target 12 and associate 14 are using communications terminals, such as phones, considered by the network 10 to be IP endpoints: [0017] last two lines; see fig. 1 where softswitch 20 is used between the target 12 and the associate 14. The Softswitch 20/ A Media Gateway controller controls call completion and call features via control signaling to other network elements such as Media Gateways and IP telephones: [0017]; Aforesaid Softswitch 20 uses the target's IP address, referred to herein as A,[NOTE: first IP address" in the claim] and the associate's IP address, referred to herein as B [NOTE: second IP address in the claim], to tell each endpoint where to send its packets: [0018]);*** *wherein the second Internet Protocol (IP) address* ***[NOTE:***

associate IP address/ B IP address] *is based on the location identifier* ***(IP address based on destination place: [0021] last few lines).***

Therefore, it would have been obvious to one of the ordinary skill in the art at the time the invention was made to provide the technique of **Castleberry** to the system of **ALBINA** and **KHAN** in order to provide Softswitch/controller/server controlling the redirection of the targeted bearer packets through a specified Intercept Router using alias IP addresses for the targeted bearer packets **(Castleberry, [abstract]).** The motivation would be to improve and enhance the call content by easily reviewing , recording and forwarding to an LEA agency **(Castleberry, [0020]).**

Regarding claim 131, the combination of **Albina, KHAN** and **Castleberry, specifically, KHAN** teaches, wherein the access code is produced based on the destination node identifier **([0004], [0024], [0025])**..

Regarding claim 132, the combination of **Albina, KHAN** and **Castleberry, specifically, Albina** teaches wherein the destination node identifier comprises a phone number associated with the destination node **(telephone number; abstract).**

Regarding claim 133, the combination of **Albina, KHAN** and **Castleberry, specifically, Albina** teaches, if the destination node is a PSTN telephone on the public switched telephone network (PSTN), establishing communications from the wireless device to a communications supplier gateway operable to connect to the PSTN

telephone via the public switched telephone network (PSTN) **(see fig.1 along with corresponding paragraphs).**

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to M MOSTAZIR RAHMAN whose telephone number is (571)272-4785. The examiner can normally be reached on 8:30am-5:00pm PST.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an

interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Lai can be reached on 571-272-9741. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/M Mostazir Rahman/
Examiner, Art Unit 2411

/ANDREW LAI/
Supervisory Patent Examiner, Art Unit 2411

Notice of References Cited	Application/Control No. 14/035,806	Applicant(s)/Patent Under Reexamination Björsell et al.	
	Examiner M MOSTAZIR RAHMAN	Art Unit 2411	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20080261560-A1	10-2008	Ruckart; John P.	G07C9/00103	455/411
*	B	US-20070286170-A1	12-2007	KHAN; ARSHAD	H04L12/66	370/356
*	C	US-20070230423-A1	10-2007	YOSHIDA; Takeshi	H04W76/10	370/338
	D					
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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
	N					
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
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	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
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	M MOSTAZIR RAHMAN	2411

CPC - Searched*		
Symbol	Date	Examiner
H04W76/021 OR H04W76/025 OR H04W8/02	11/29/2015	MR

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
EAST Search: 1)keyword search in USPAT, US-PGPUB, DERWENT, EPO, JPO, IBM_TDB;	11/29/2015	MR
class/subclasses with keyword, inventors, assignee	11/29/2015	MR
Inventor and assignee search in EAST, eDAN and PALM.	11/29/2015	MR
NPL Search: IP.COM	11/29/2015	MR
Updated search	10/16/2016	MR
Consulted with SPE, Andrew Lai	10/18/2016	MR
Updated search	11/15/2016	MR
Updated search	08/21/2017	MR
Updated search	06/27/2018	MR
Updated search	08/07/2018	MR
Updated search	06/10/2019	MR
Consulted with SPE, Andrew Lai	06/11/2019	MR
Updated search	08/13/2019	MR

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Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
Please see search report		11/29/2015	MR

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

CLAIMS

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

CLAIM		DATE								
Final	Original	11/25/2015	10/16/2016	08/21/2017	08/03/2018	08/13/2019				
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CLAIM		DATE								
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