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Nadeau

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(54) **METHOD AND APPARATUS FOR AUTOMATIC CALL SETUP IN DIFFERENT NETWORK DOMAINS**

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(52) **U.S. Cl.** **709/223**; 709/227
(58) **Field of Search** 709/227, 223

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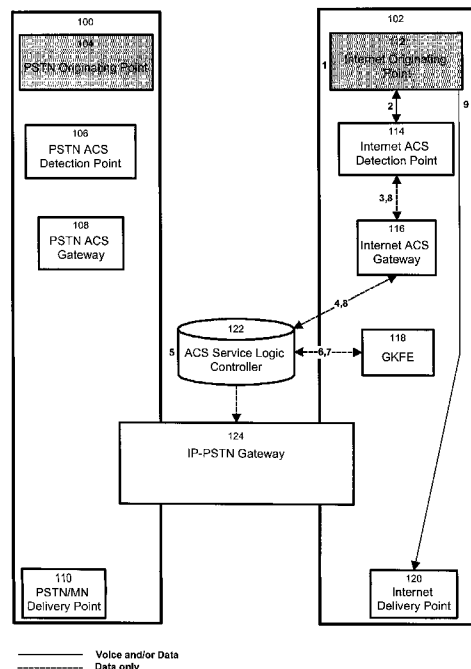IETF Internet Draft, Patrik Falstrom & Bjorn Larsson, Jun. 1998 ftp://ftp.ietf.org/internet–drafts/draft–falstrom–e164–00.txt.

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Primary Examiner—Kenneth R. Coulter

(57) **ABSTRACT**

The present invention provides a method and a system for managing communication sessions originating in either one of a telecommunications network, such as the PSTN network or a mobile telephone network, and a data communications network such as the Internet. The system includes a service logic controller supporting a data structure that holds a plurality of communication session disposition program records. The service logic controller connects with the telecommunications network and with the data communications network through respective gateways that transmit communication session disposition inquiry messages. In response to those messages, the service logic controller retrieves the appropriate communication session disposition program. If the program is instructive to establish an Internet domain connection, the service logic controller transmits to a gatekeeper functional element an Internet address request. The service logic controller then generates an instruction to the entity that originated the inquiry message in accordance with a response from the gatekeeper functional element. If the program does not require an Internet connection, the service logic controller generates an instruction to the entity that originated the inquiry message in accordance with the program itself. The communication session is then processed according to the instruction.
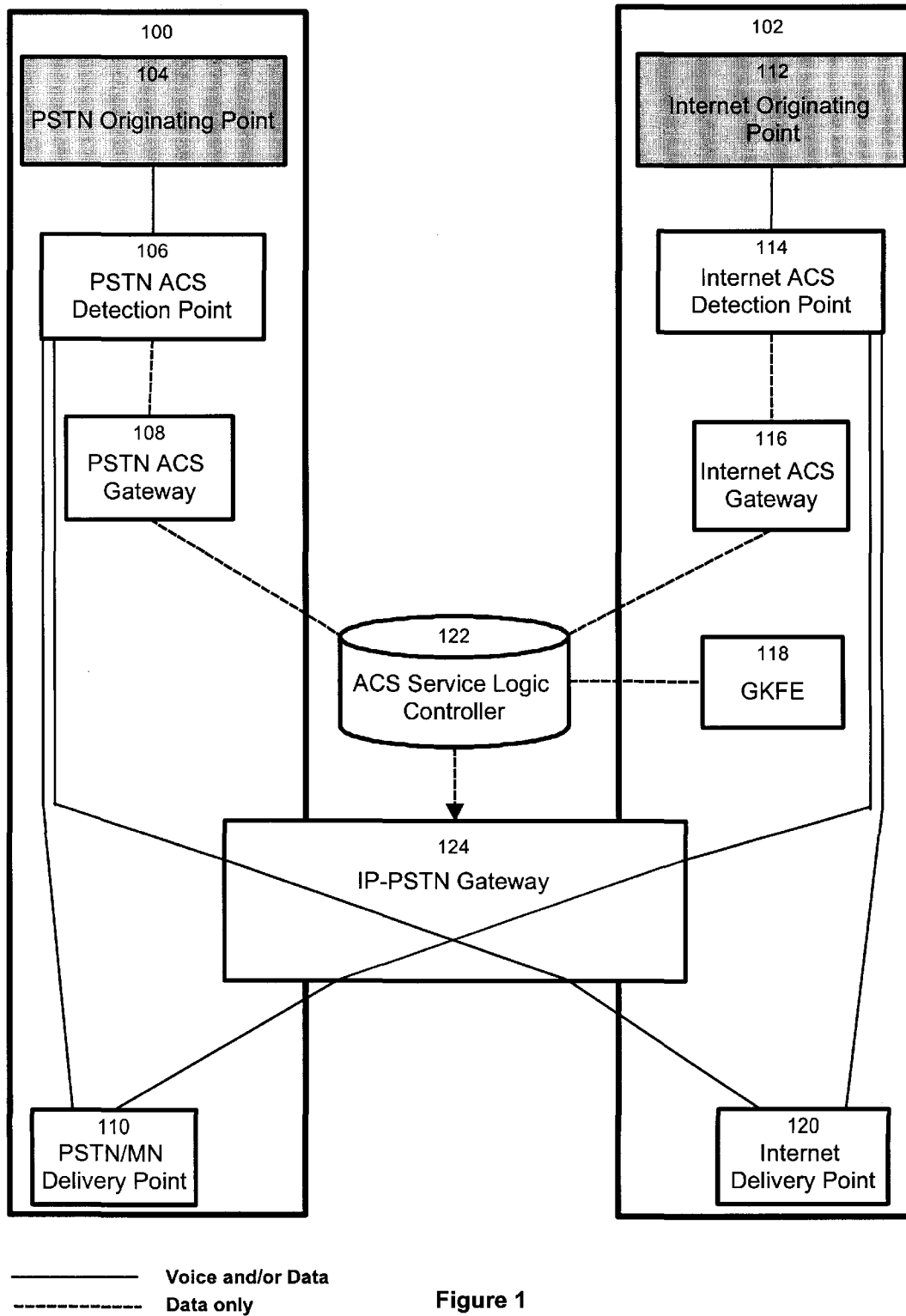
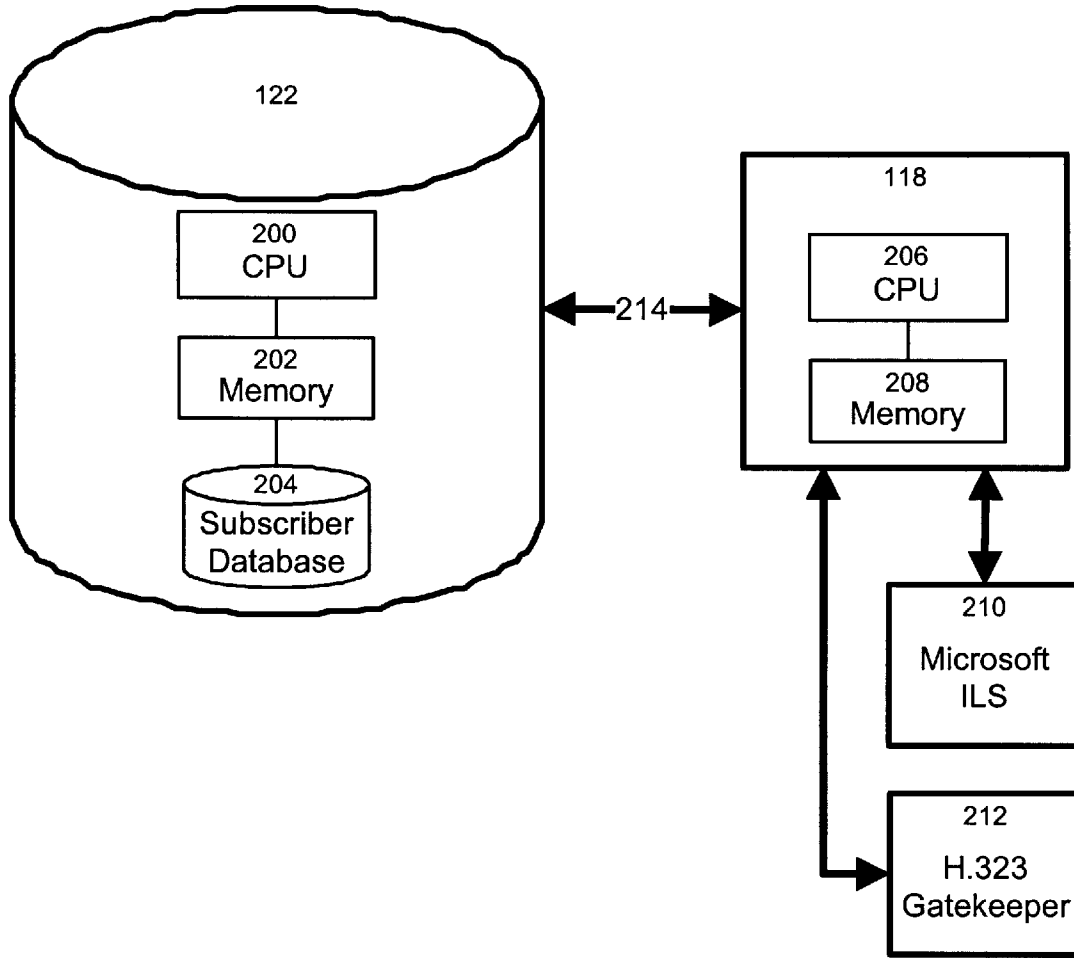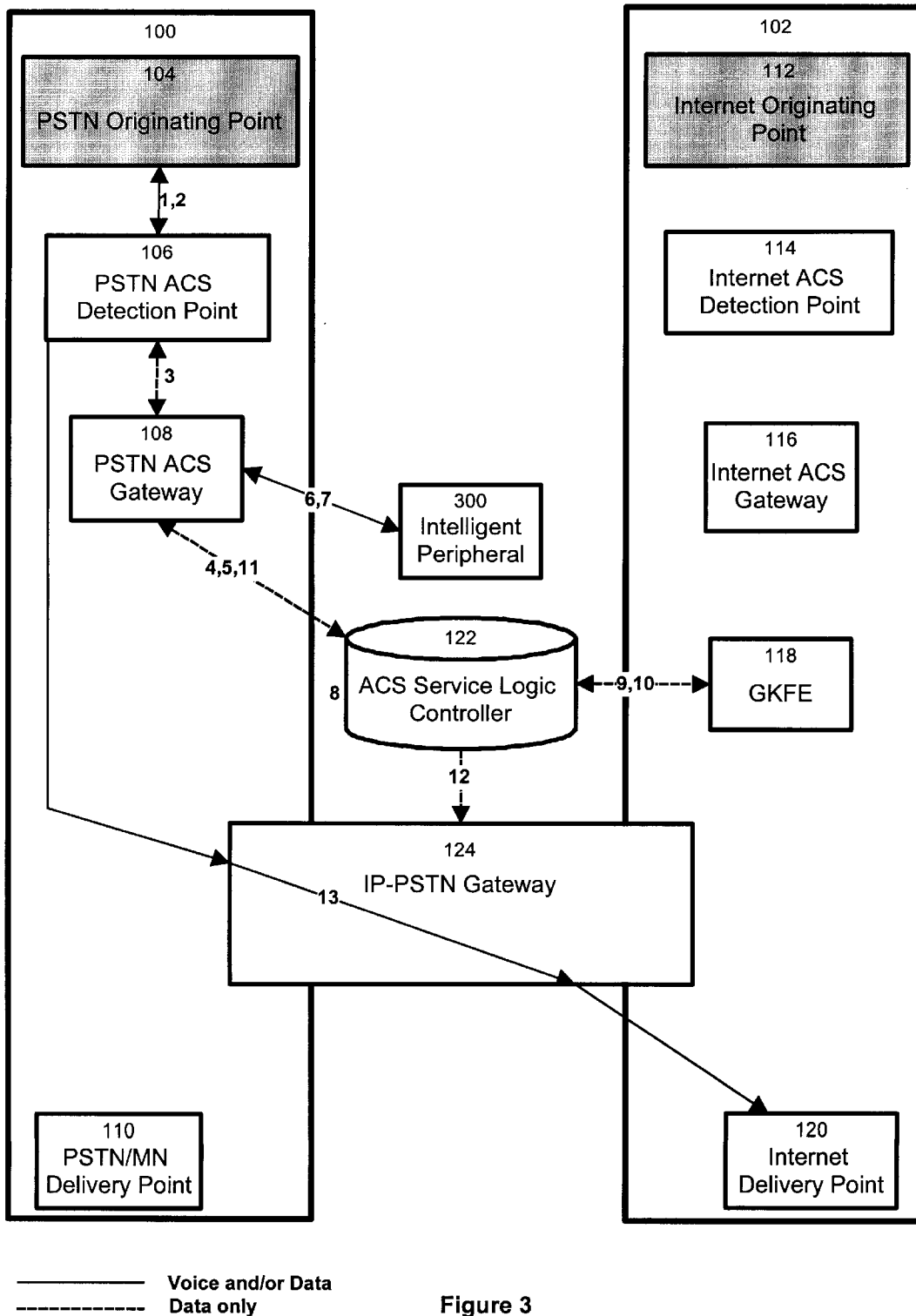**17 Claims, 4 Drawing Sheets**

Figure 1

Figure 2

Figure 3

Voice and/or Data
Data only

100

104
PSTN Originating Point

106
PSTN ACS
Detection Point

108
PSTN ACS
Gateway

110
PSTN/MN
Delivery Point

102

112
Internet Originating
Point

1

2

9

114
Internet ACS
Detection Point

3,8

116
Internet ACS
Gateway

4,8

122
ACS Service Logic
Controller

5

6,7

118
GKFE

124
IP-PSTN Gateway

120
Internet
Delivery Point

———— Voice and/or Data
－－－－－－ Data only

Figure 4

DOCKET ALARM
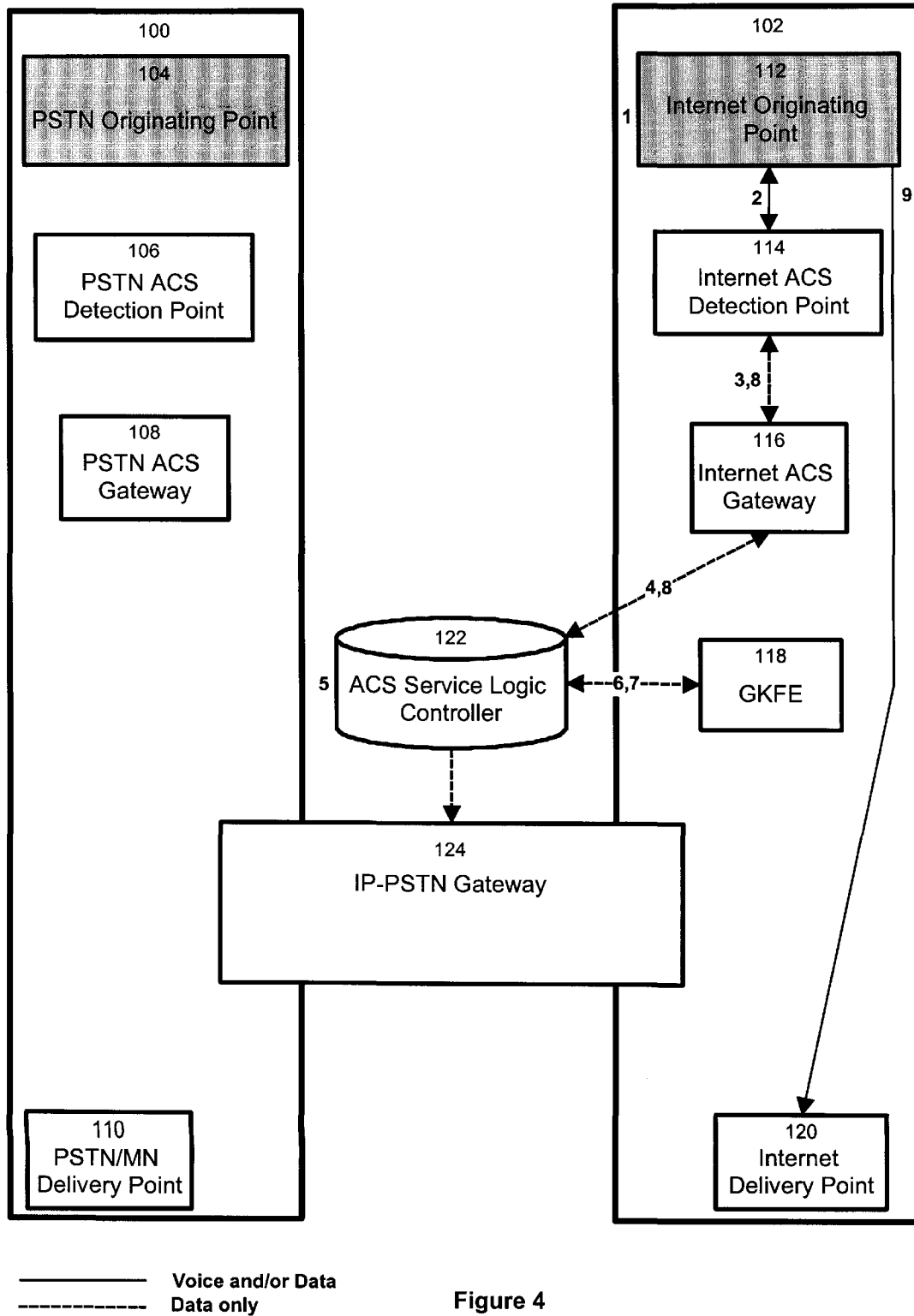
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