

**(12) United States Patent**  
**Nadeau**

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

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 (CA)**

**(\*) Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

**(21) Appl. No.: 09/184,030**

**(22) Filed: Nov. 2, 1998**

**(51) Int. Cl.<sup>7</sup> ..... G06F 13/14**

**(52) U.S. Cl. .... 709/223; 709/227**

**(58) Field of Search ..... 709/227, 223**

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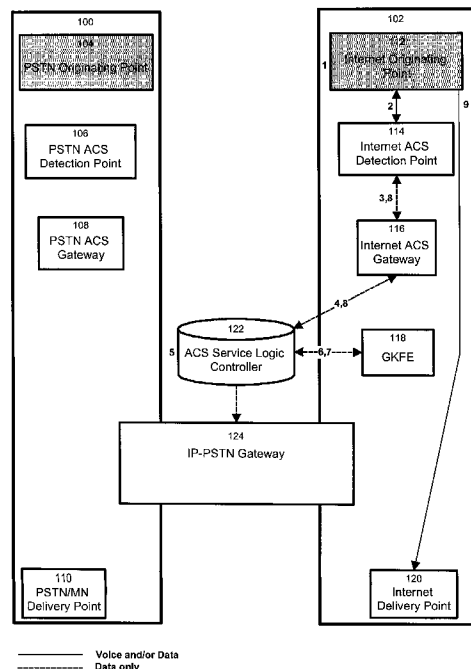
\* cited by examiner

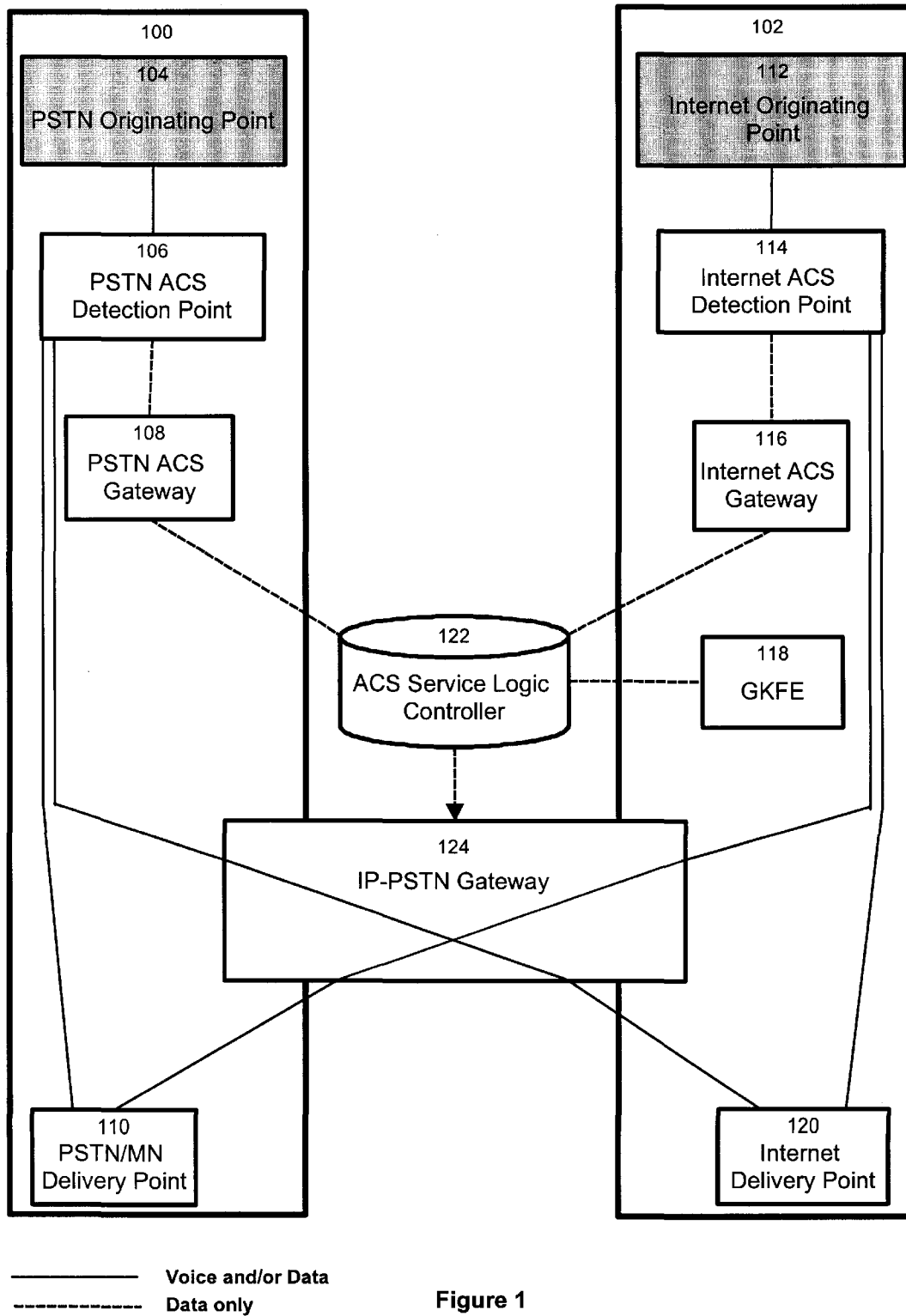
*Primary Examiner*—Kenneth R. Coulter

**(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**





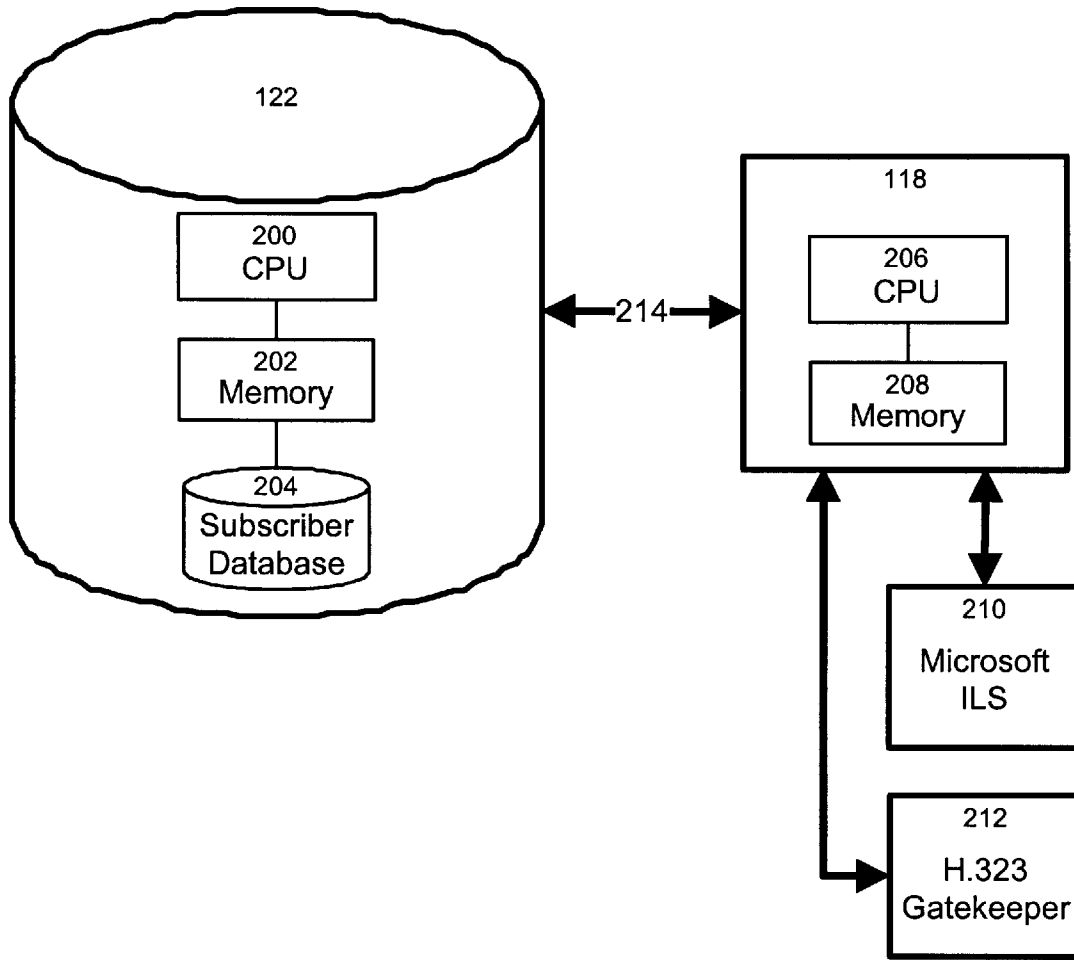


Figure 2

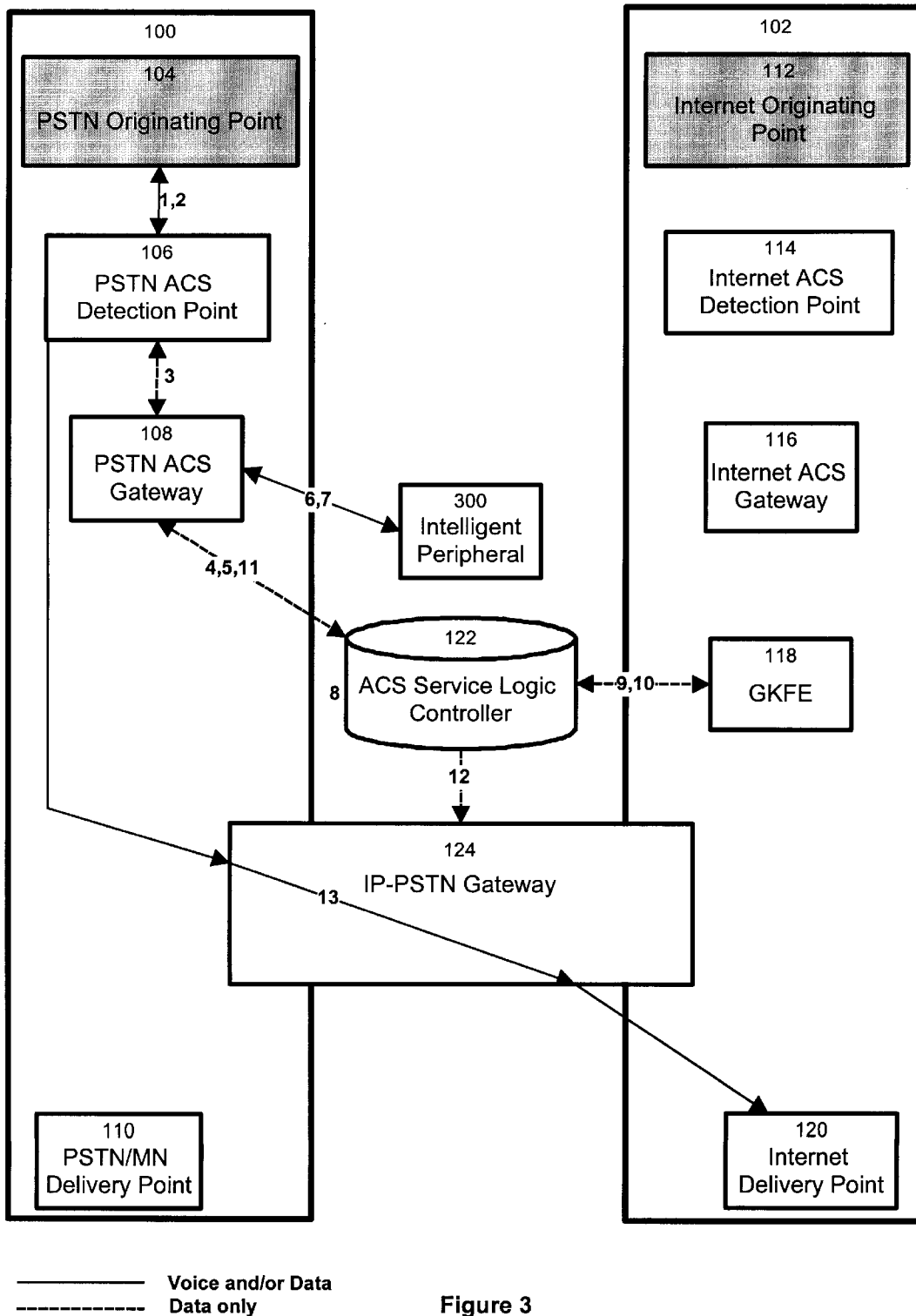


Figure 3

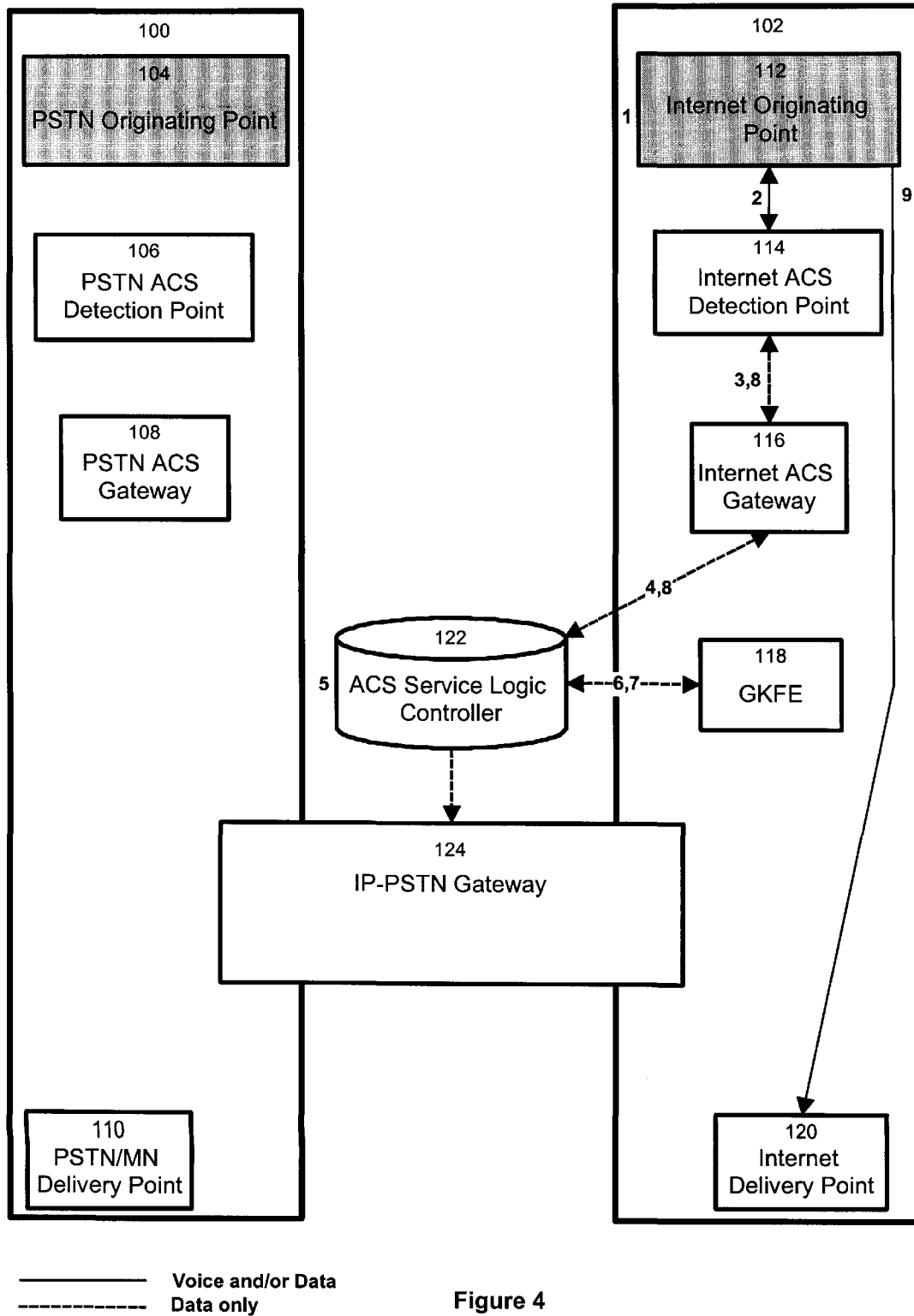


Figure 4

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