



[54] **SUBSCRIBER-ORIGINATED CALL DEFERRED QUEUING**

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[73] Assignee: **Opuswave Networks, Inc.**, Colorado Springs, Colo.

Primary Examiner—Zarni Maung
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[21] Appl. No.: **09/015,379**

[57] **ABSTRACT**

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Methods and apparatus for queuing subscriber-originated connection requests for respective calls at a server system. A server system in a telecommunications network receives subscriber-originated connection requests for subscriber pending call access to the server system, and thus, the network. Subscriber-originated connection requests are queued at the receiving server system. The server system receiving the subscriber-originated connection request transmits a first message to the respective subscriber originating the connection request upon the server system's queuing of the connection request. Subsequently, upon the server system allocating a connection resource to a queued subscriber-originated connection request, the server system transmits a second message to the respective subscriber.

[51] **Int. Cl.⁷** **G06F 15/16**

[52] **U.S. Cl.** **709/227; 709/219; 709/226; 709/229; 370/230; 370/280; 370/282**

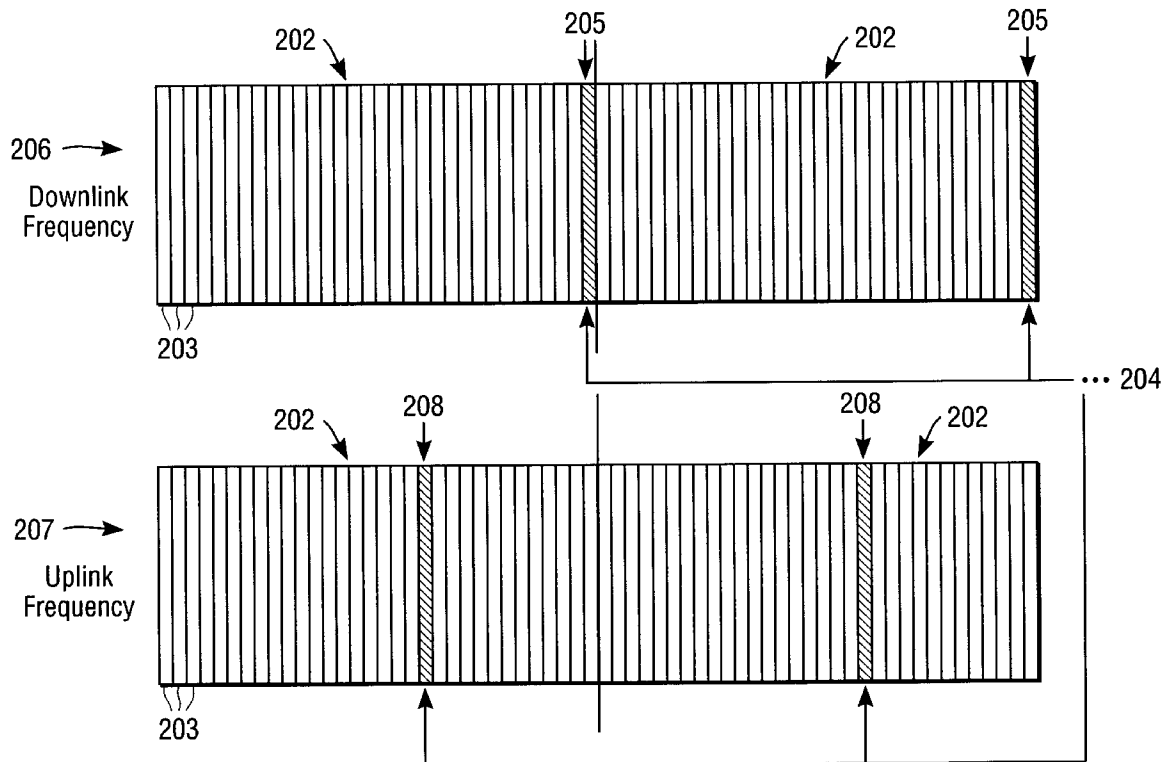
[58] **Field of Search** 395/200.57, 200.33, 395/200.49, 200.56, 200.59; 709/227, 200, 219, 226, 229; 370/230, 280, 282, 294, 295, 337, 347

[56] **References Cited**

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20 Claims, 10 Drawing Sheets



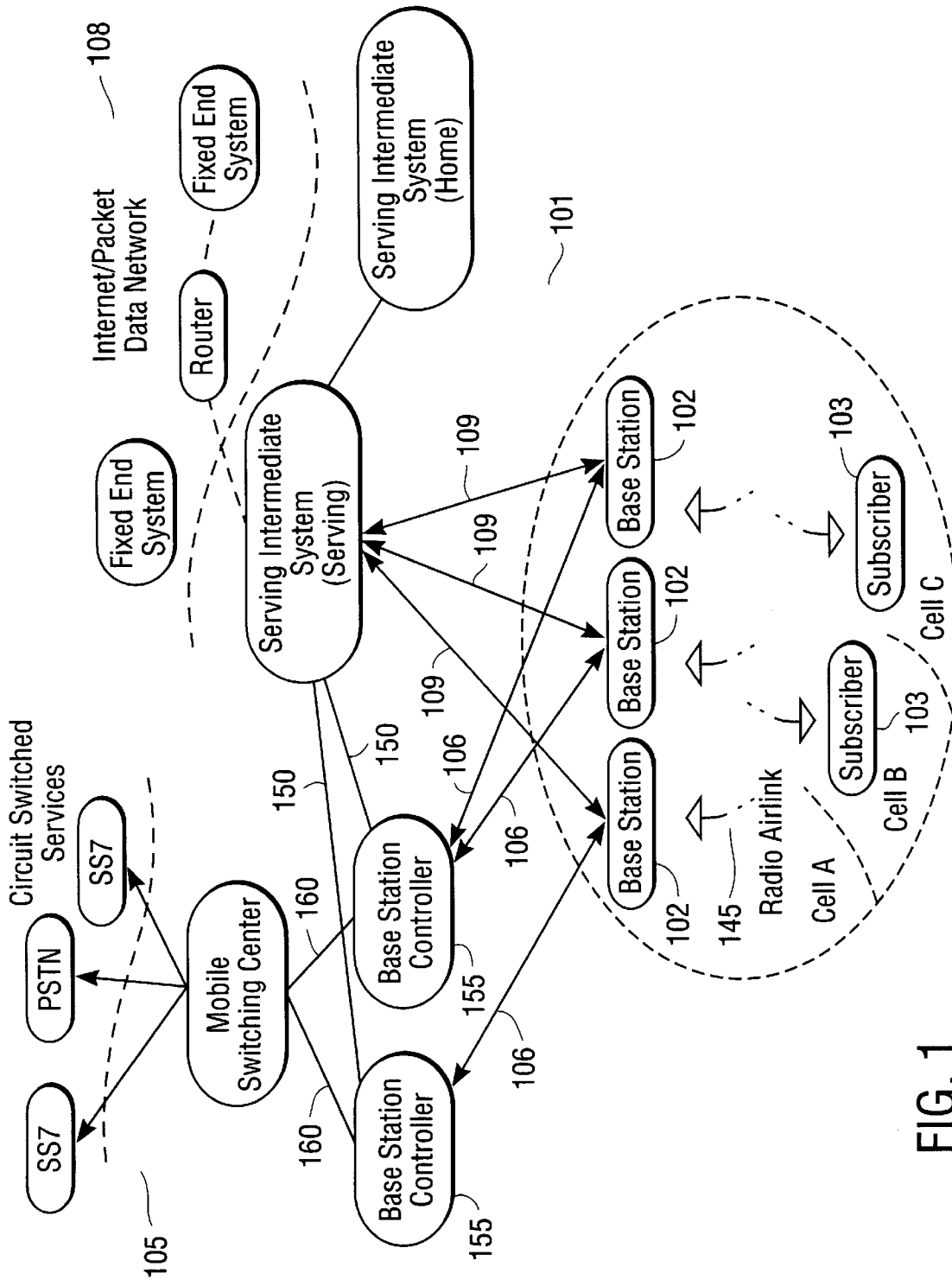


FIG. 1

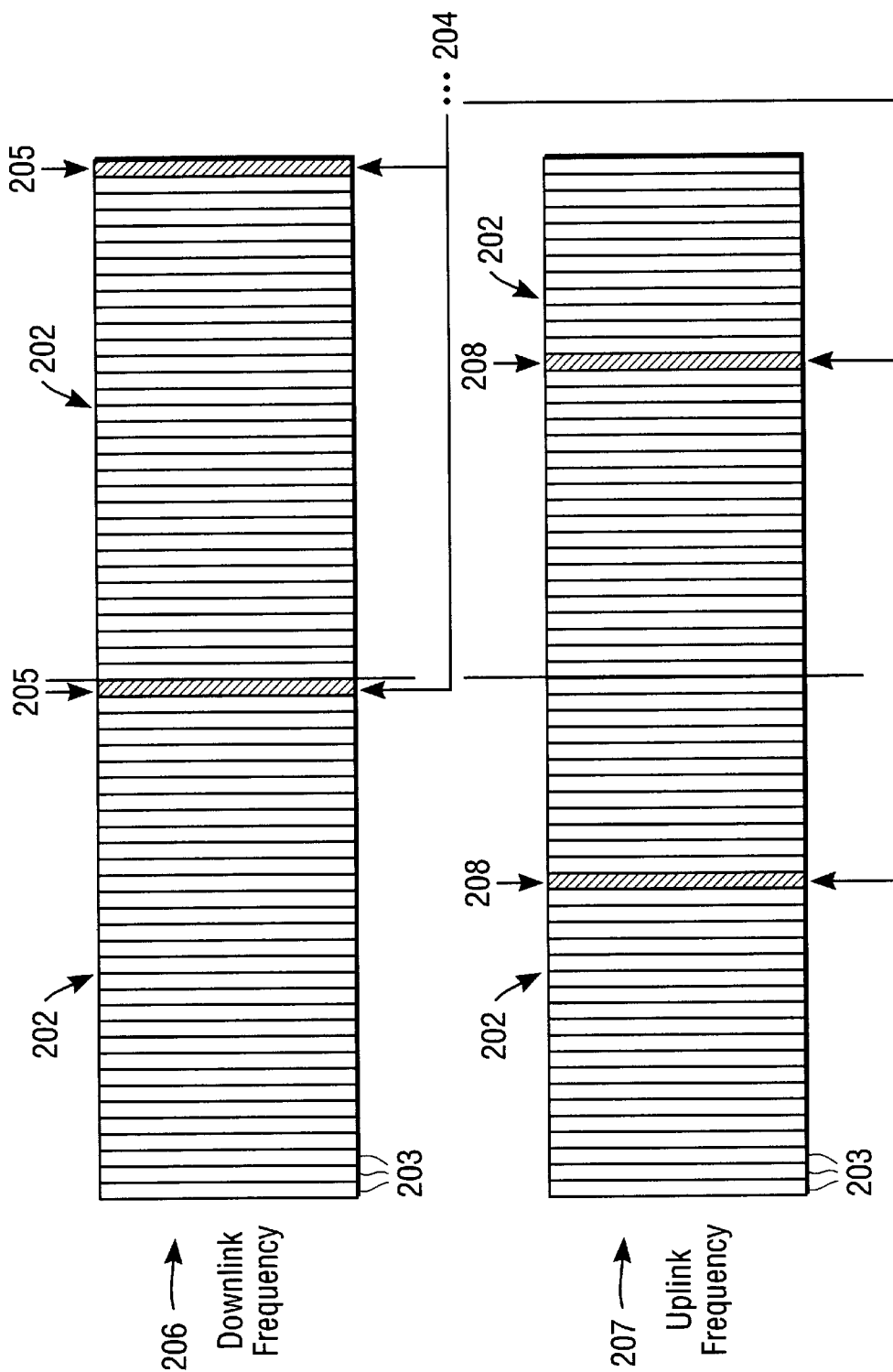


FIG. 2

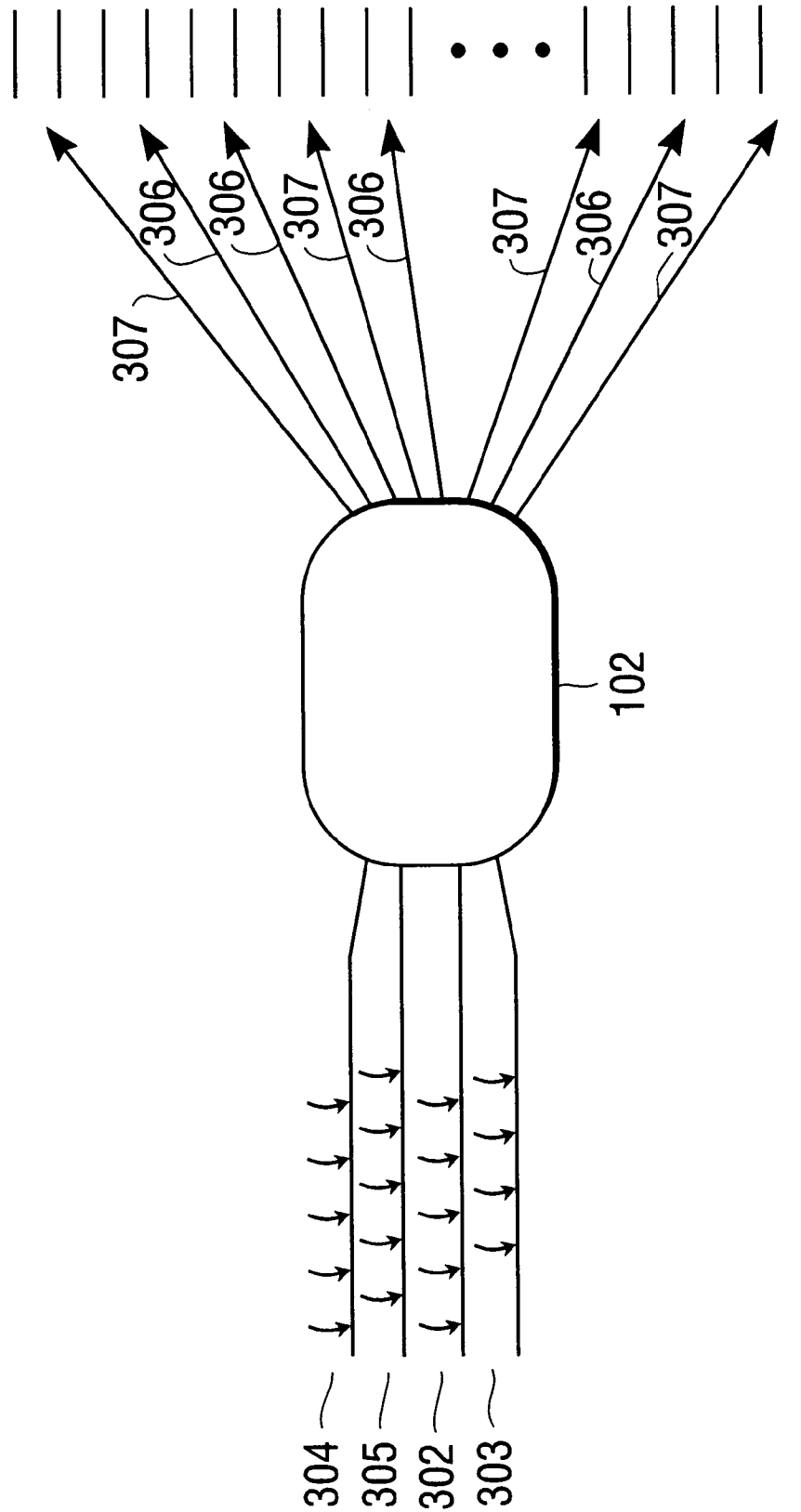


FIG. 3

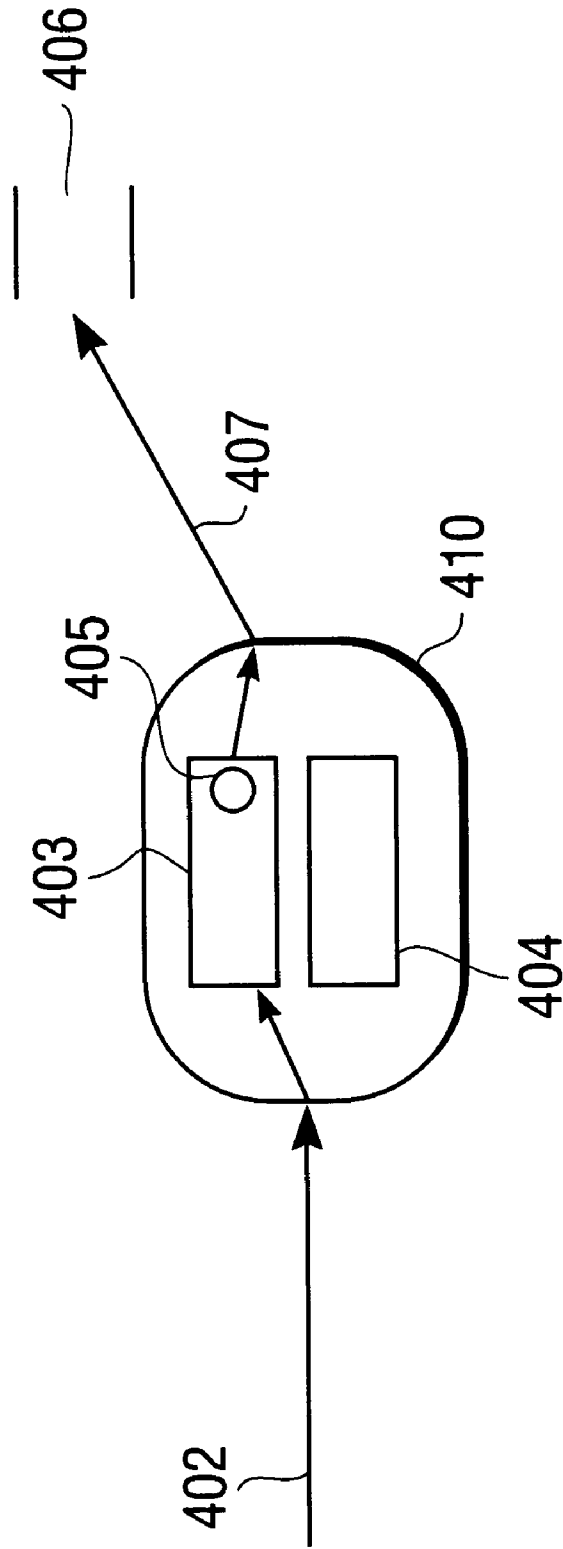


FIG. 4

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