



US005850594A

**United States Patent** [19]  
**Cannon et al.**

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[45] **Date of Patent:** **Dec. 15, 1998**

[54] **METHOD AND APPARATUS FOR EFFICIENTLY TRANSMITTING ADDRESSES AND MESSAGES FROM PORTABLE MESSAGING UNITS OVER A WIRELESS COMMUNICATION CHANNEL**

[75] Inventors: **Gregory Cannon; Nancy Cannon**, both of Keller, Tex.

[73] Assignee: **Motorola, Inc.**, Schaumburg, Ill.

[21] Appl. No.: **697,513**

[22] Filed: **Aug. 26, 1996**

[51] Int. Cl.<sup>6</sup> ..... **H04B 7/26**

[52] U.S. Cl. .... **455/31.3; 455/412; 455/419; 455/458; 340/825.22; 340/825.27; 340/825.44**

[58] Field of Search ..... **455/412, 414, 455/415, 417, 458-460, 31.2, 31.3, 32.1, 38.1, 38.4, 564, 517, 419; 340/825.44, 311.1, 825.22, 825.27**

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*Primary Examiner*—Edward F. Urban

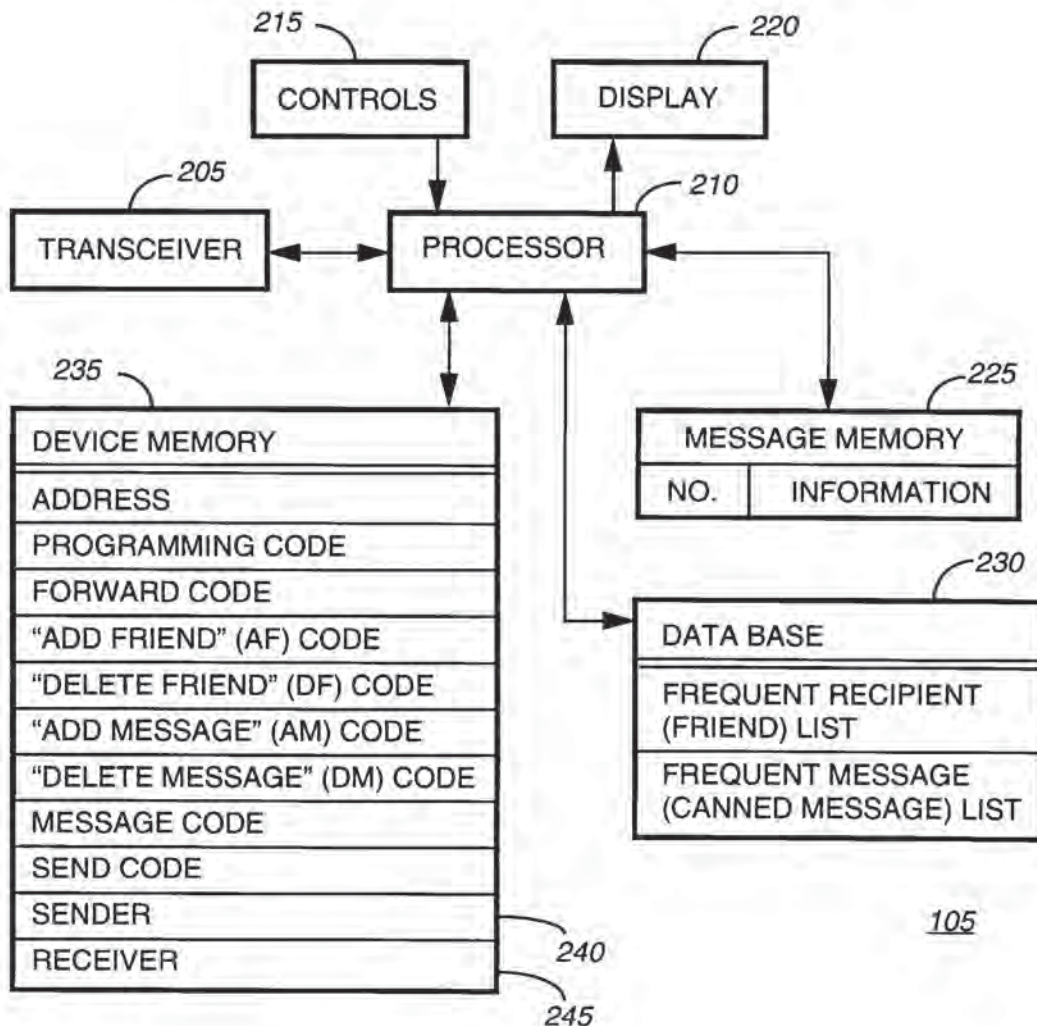
*Assistant Examiner*—Lee Nguyen

*Attorney, Agent, or Firm*—Charles W. Bethards

[57] **ABSTRACT**

A communication system (100) for providing two-way communication including a portable messaging unit (105) for sending a signal including a recipient alias over a wireless communication channel and a controller (110) for receiving the signal including the recipient alias. The controller (110) then transmits a message to an address that is designated by the recipient alias and that is longer than the recipient alias.

**9 Claims, 9 Drawing Sheets**



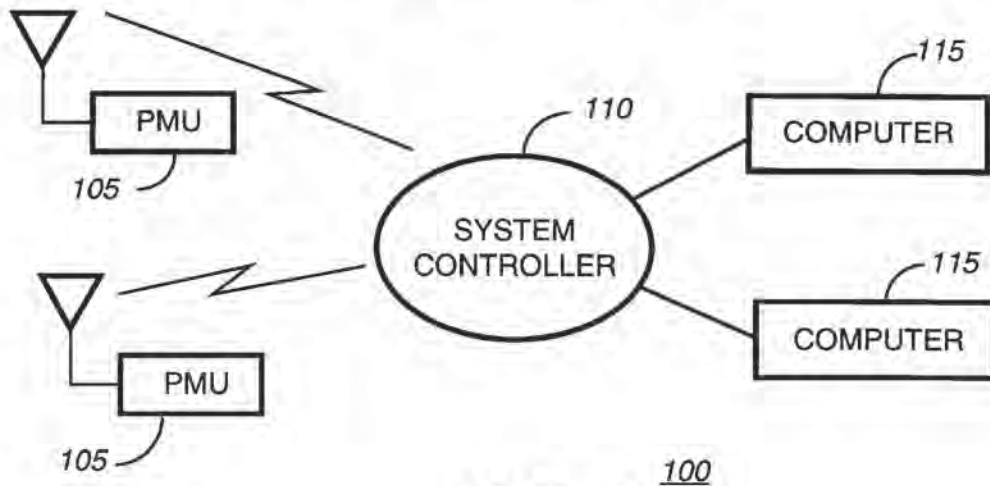


FIG. 1

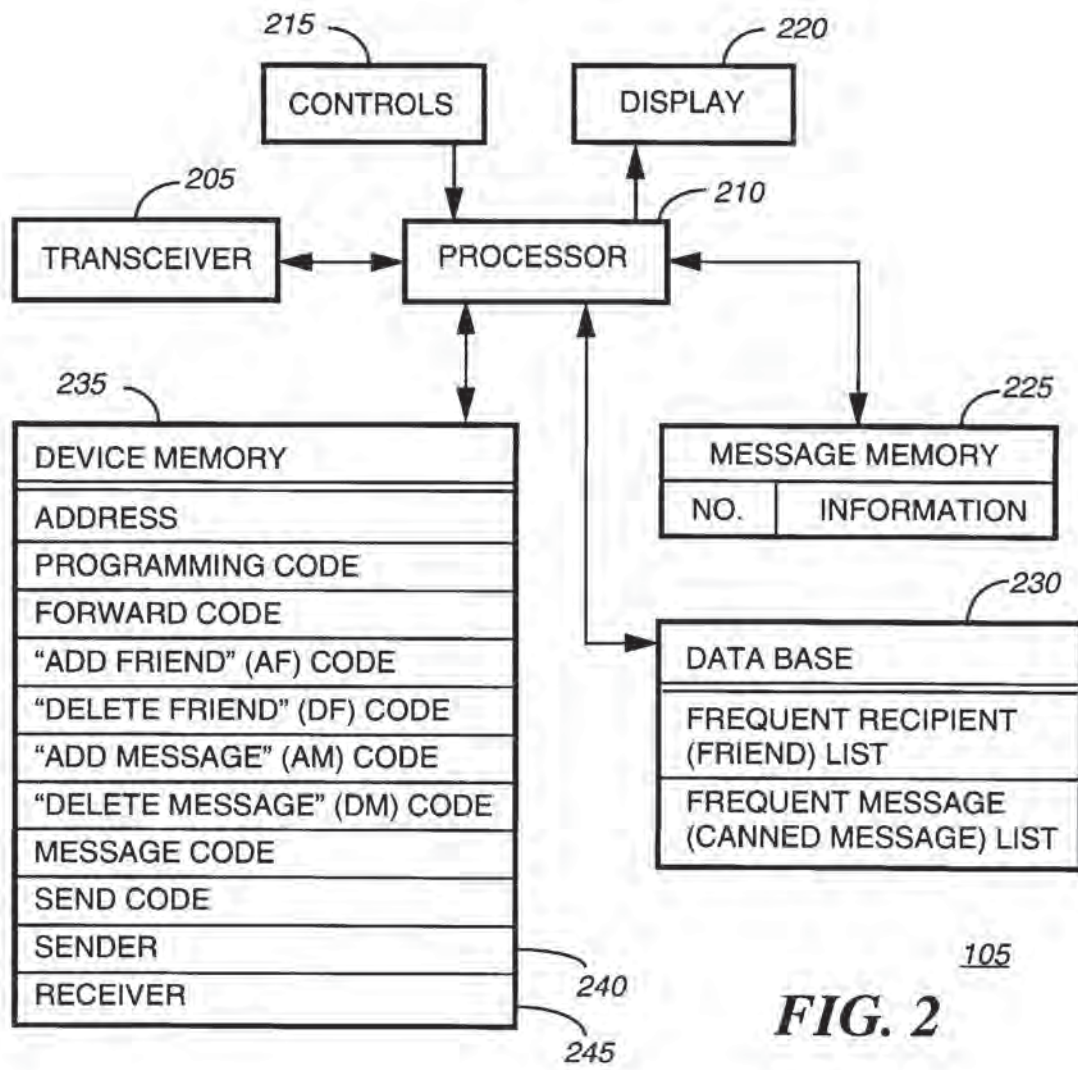


FIG. 2

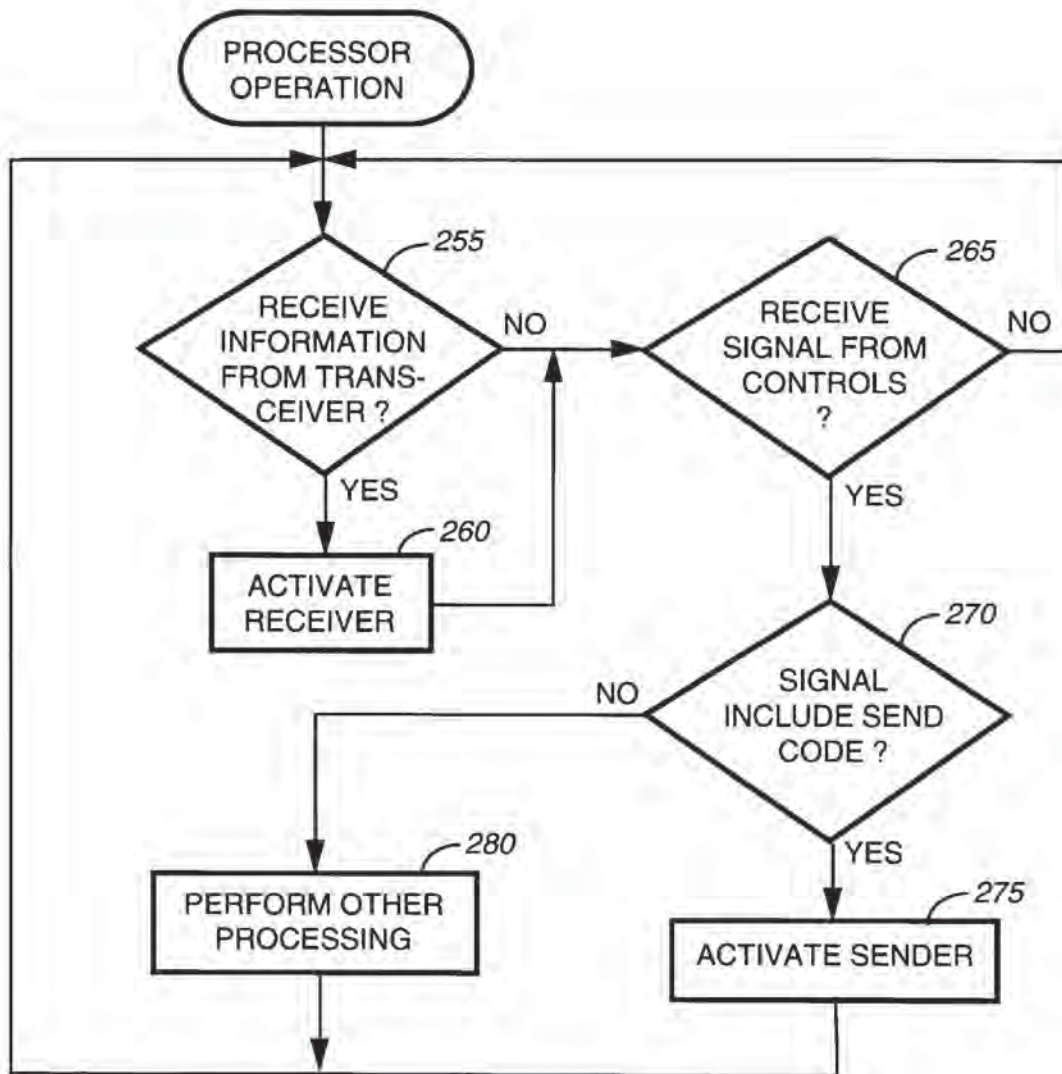


FIG. 3

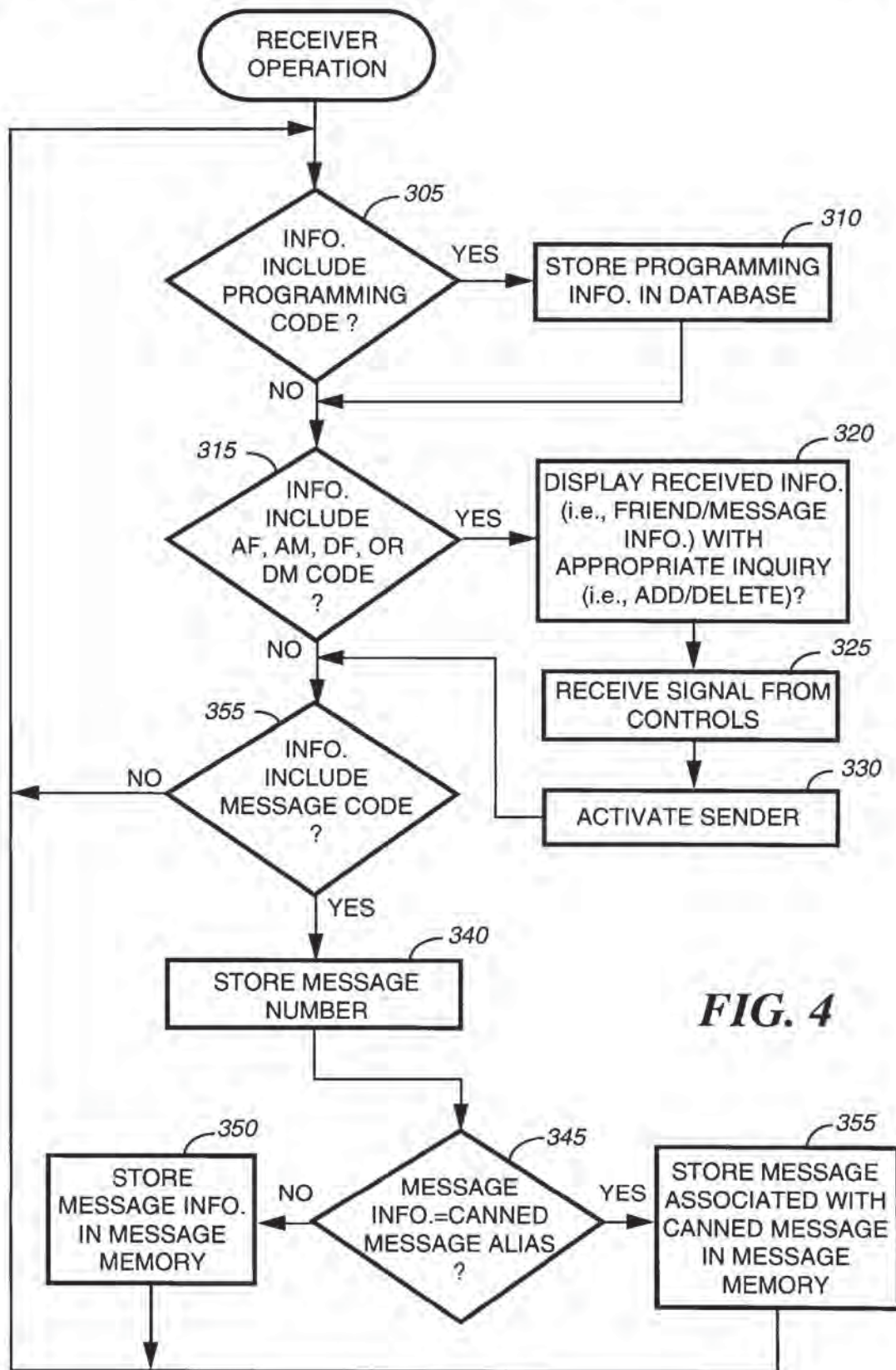


FIG. 4

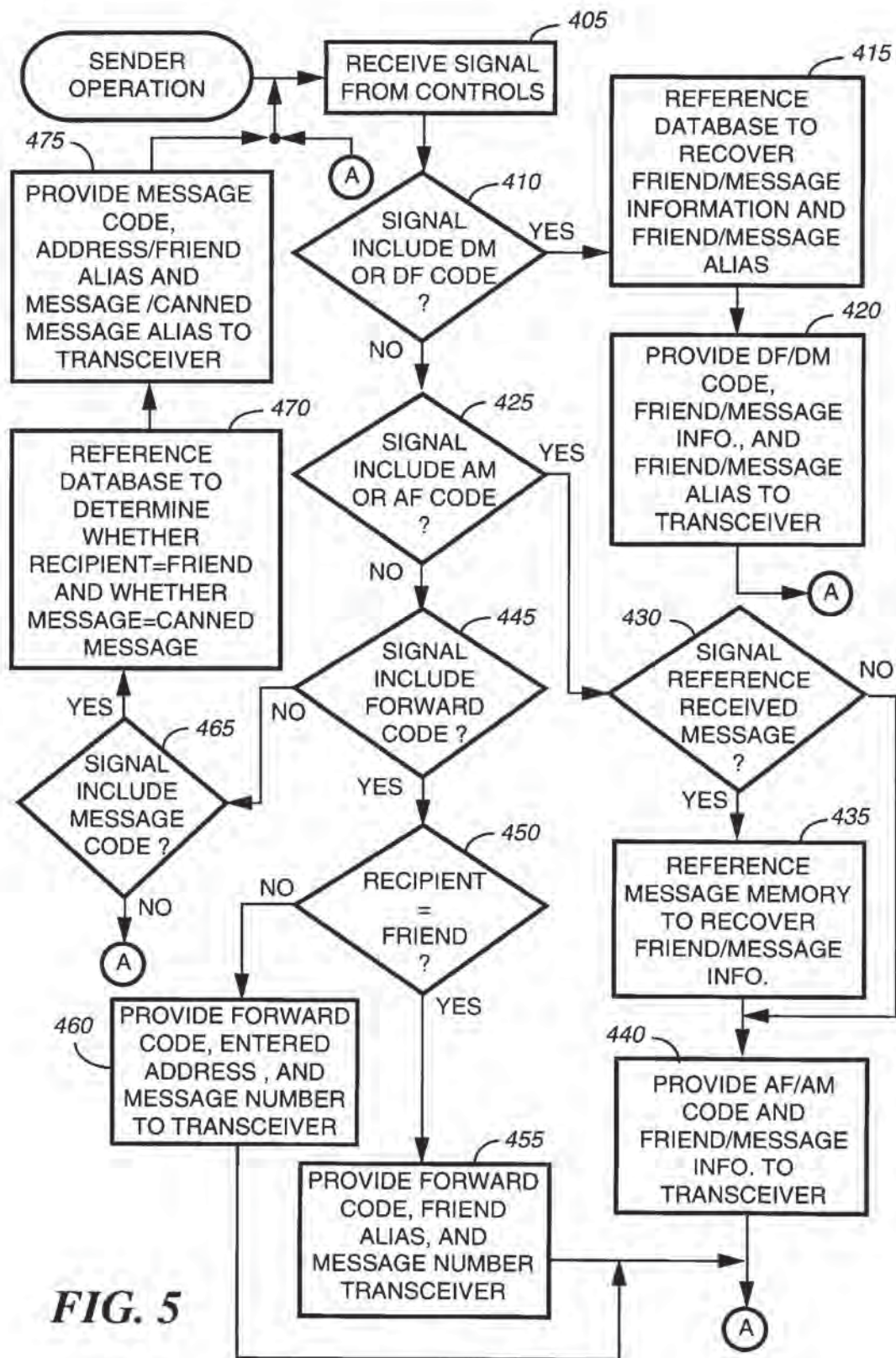


FIG. 5

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