

ABSTRACT

The present disclosure provides methods and devices for configuring, sending and receiving a discovery reference signal (DRS). The configuration method comprises: a DRS occupies a first preset number of consecutive time symbols in a time slot, the first preset number being no larger than 14; and the DRS at least includes one or two synchronization signal blocks (SSB). The present disclosure provides a method for configuring a DRS in an unlicensed frequency spectrum, and further realizes the sending and receiving of a DRS by means of a base station and a terminal in an unlicensed frequency spectrum based on the DRS configuration method, thereby saving the base station energy as well as ensuring downlink time domain synchronization and uplink random access information acquisition by the terminal.

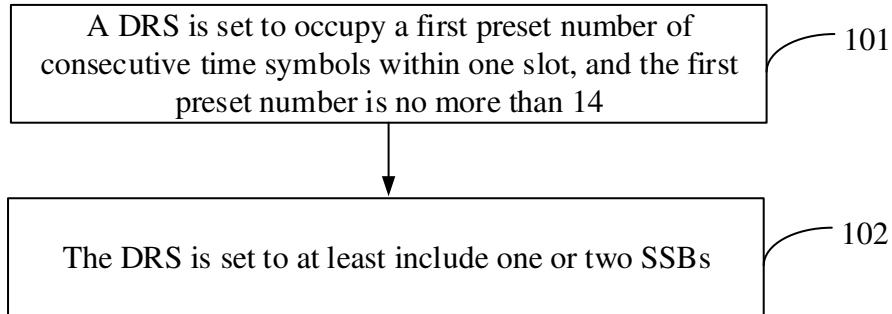


FIG. 1

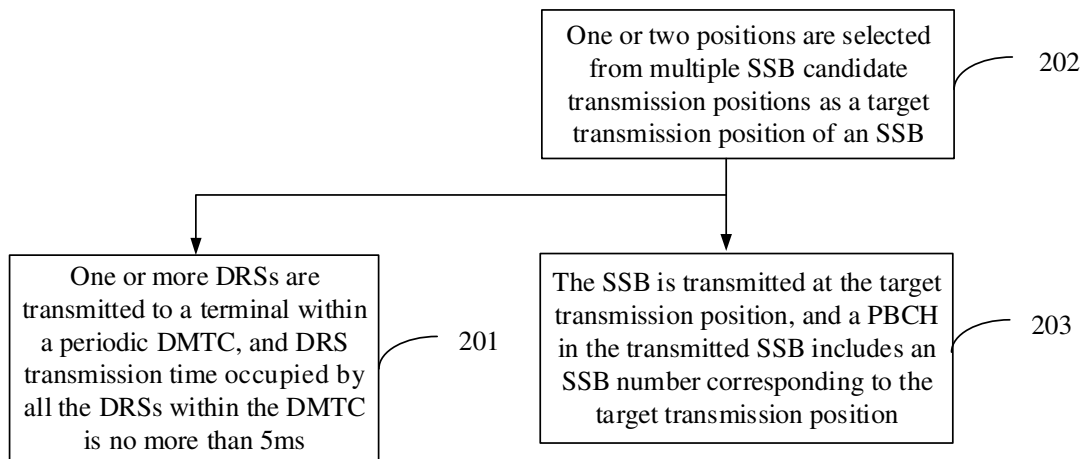


FIG. 2

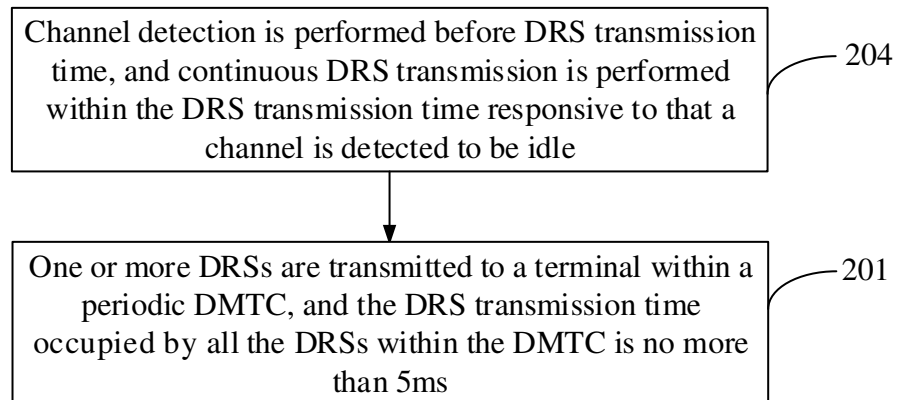
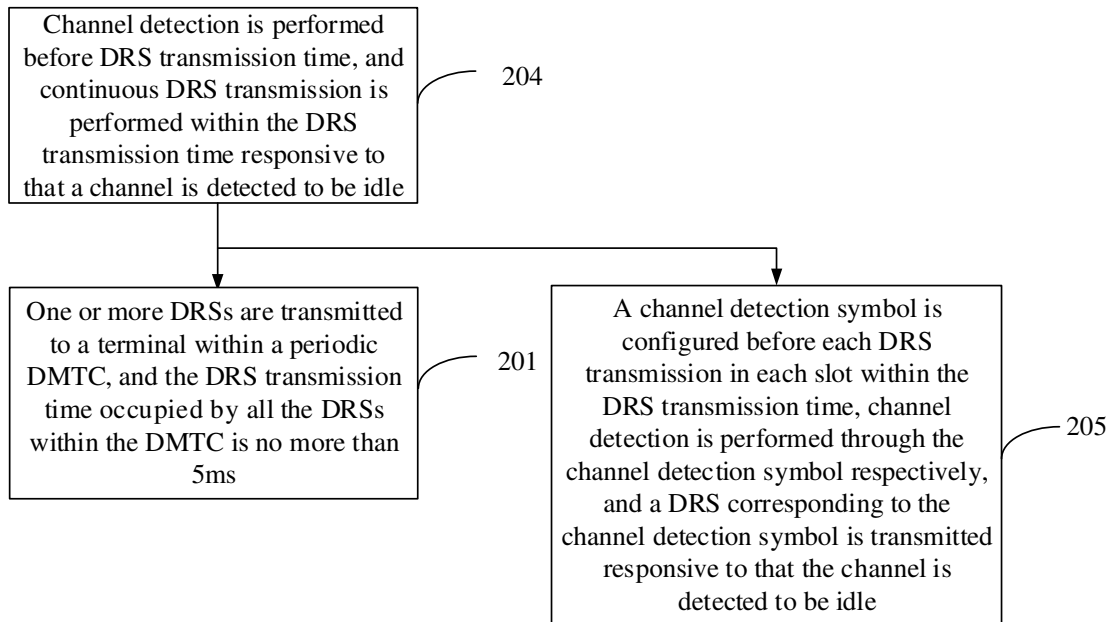
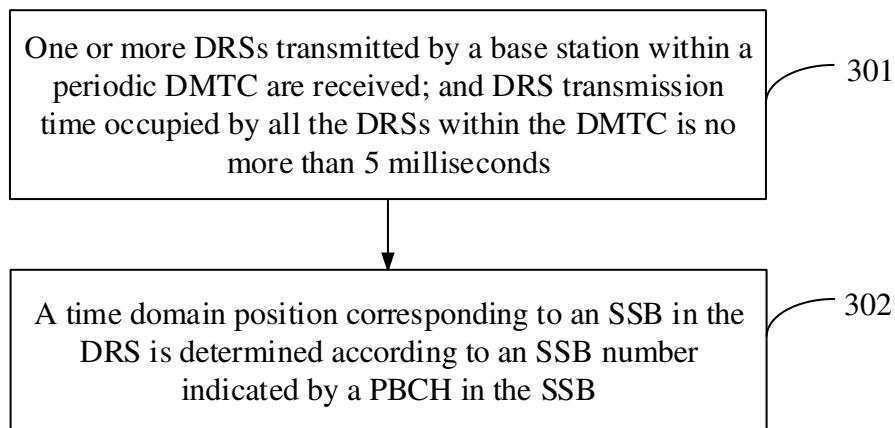


FIG. 3

**FIG. 4****FIG. 5**

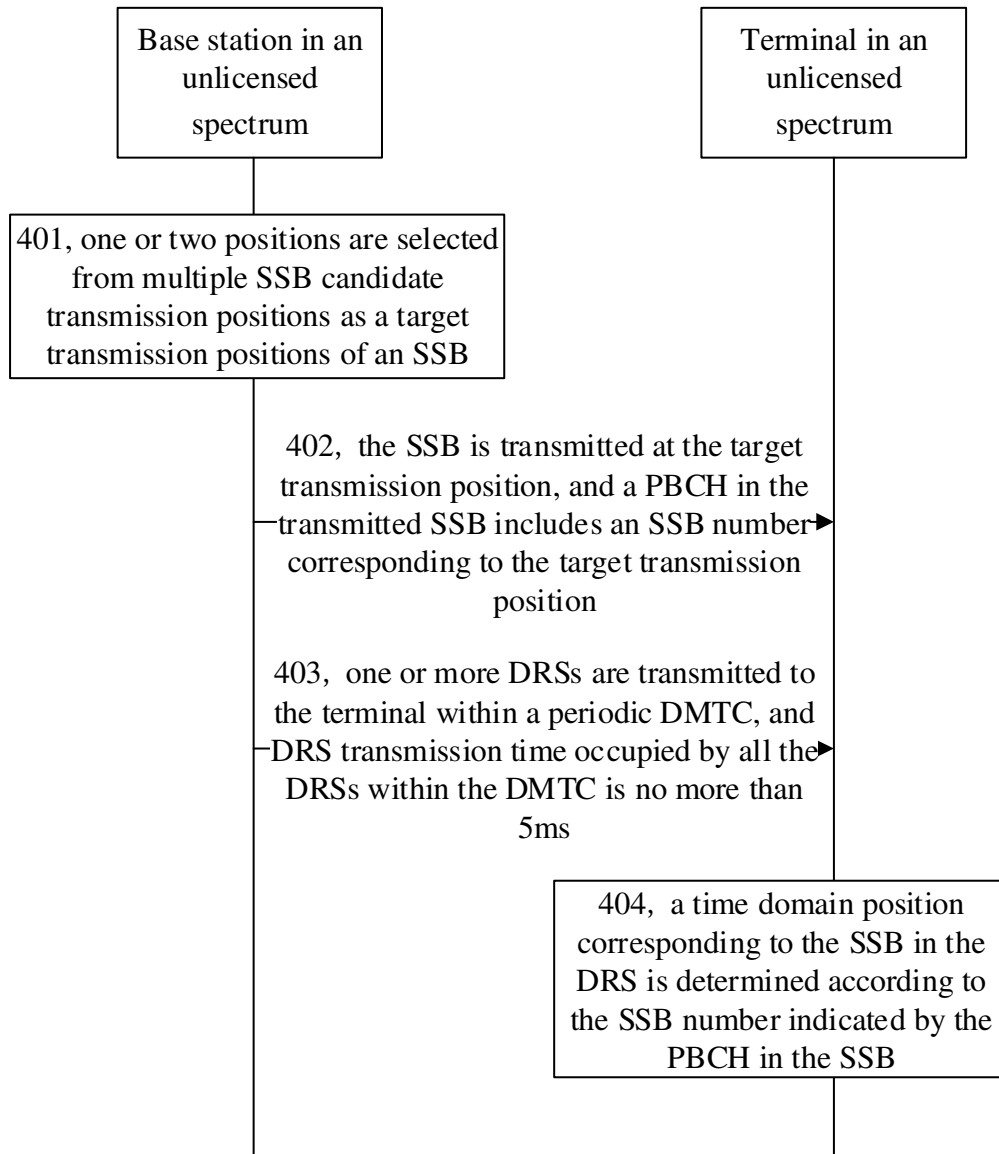


FIG. 6

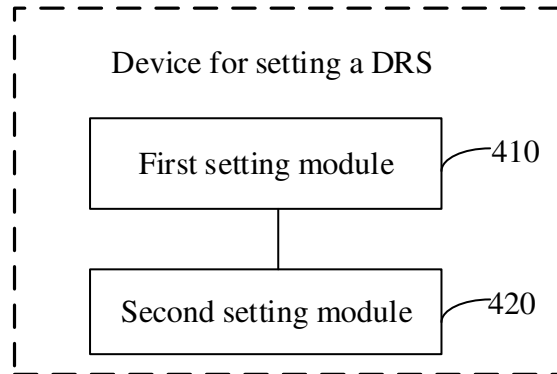


FIG. 7

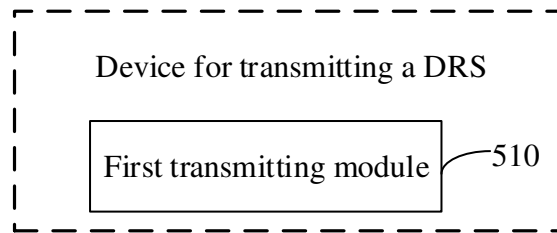


FIG. 8

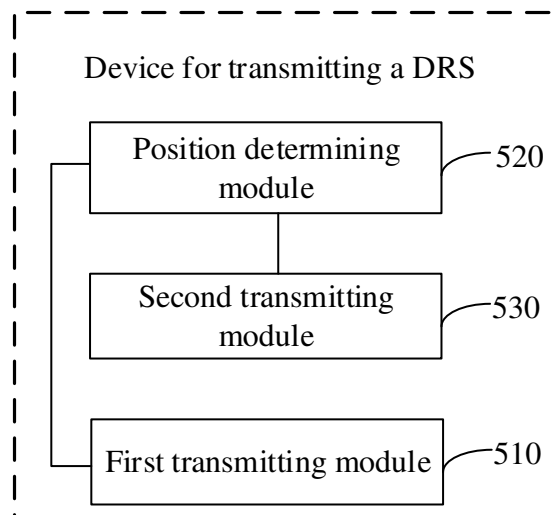


FIG. 9

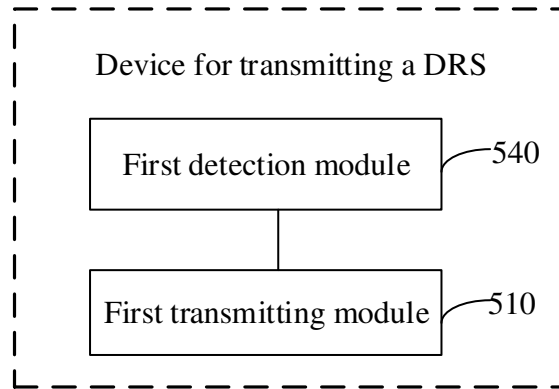


FIG. 10

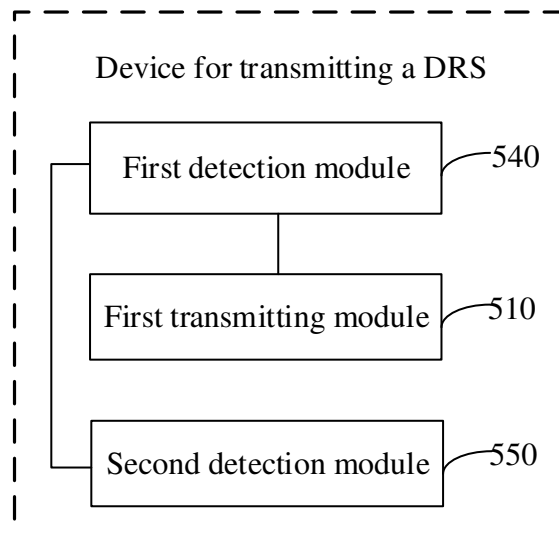


FIG. 11

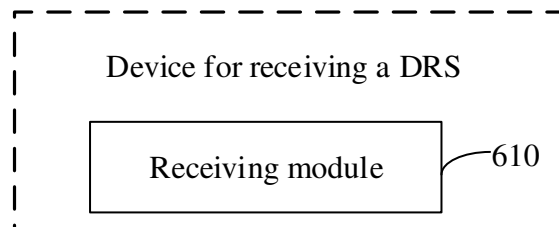


FIG. 12

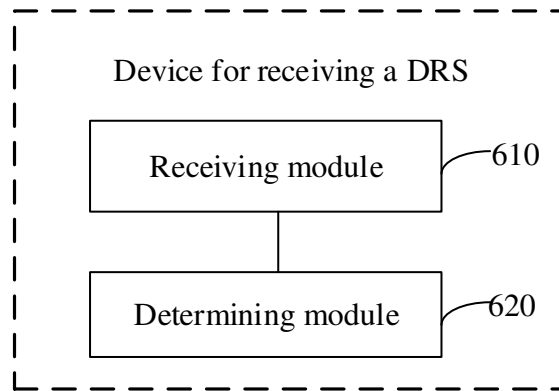


FIG. 13

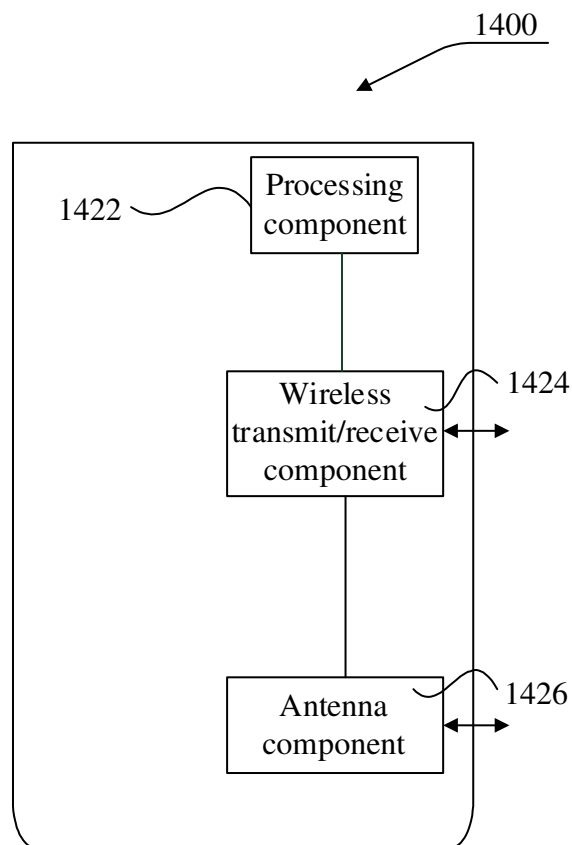
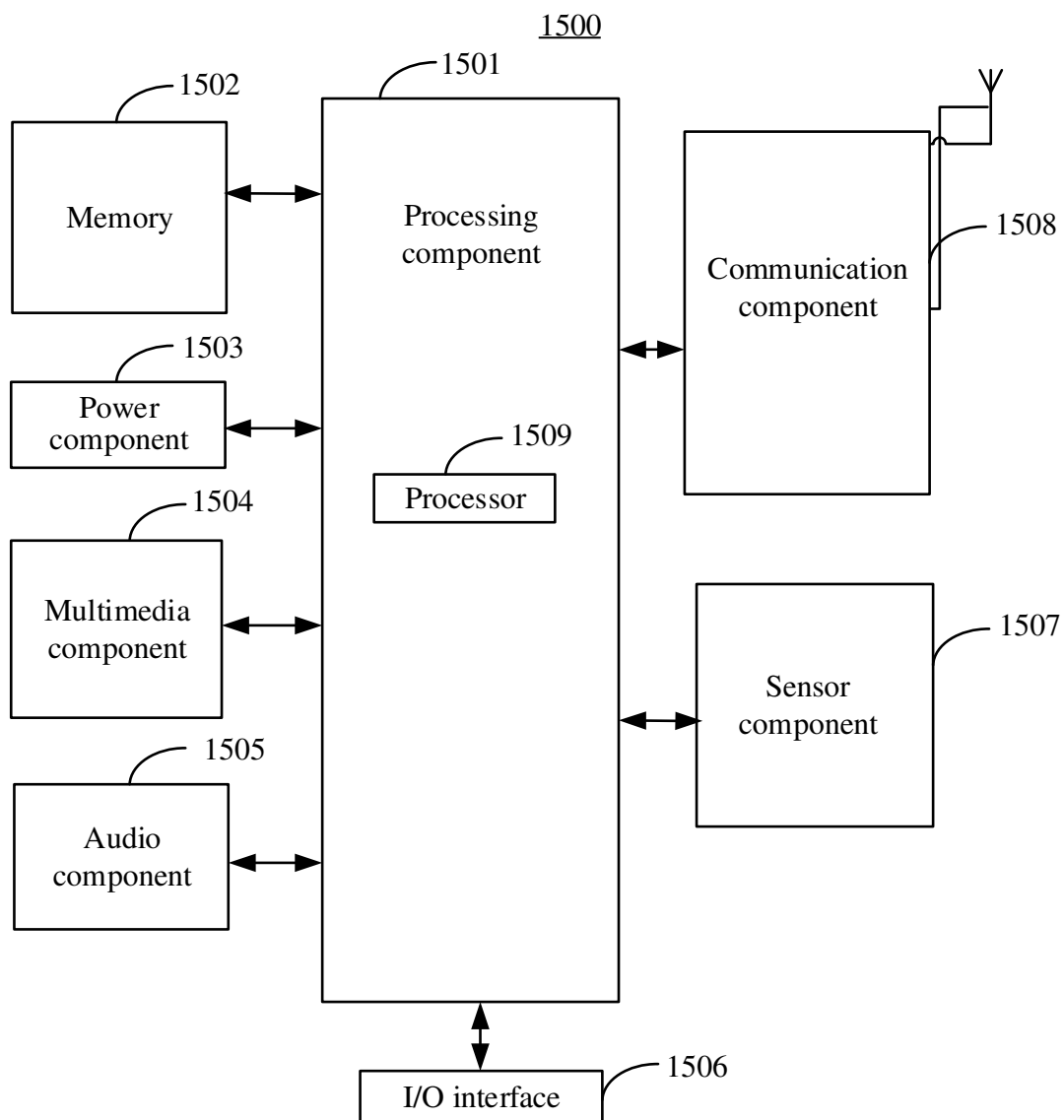


FIG. 14

**FIG. 15**