

in response to receiving connection-related information of a remote device, determining a reason for performing by the relay device a connection establishment or a connection resumption with a base station according to the connection-related information, wherein the connection-related information is configured to indicate a connection request of the remote device

S101

FIG. 1

in response to the connection establishment being triggered by the connection-related information of the remote device, the connection-related information indicating a connection resumption request of the remote device, and a reason in the connection resumption being a radio access network (RAN) area update, determining that the reason for performing by the relay device the connection establishment with the base station is a first reason, wherein the first reason is related to the RAN area update and the connection-related information is configured to indicate a connection request of the remote device

S201

FIG. 2

in response to the connection-related information indicating a connection re-establishment request of the remote device, determining that the reason for performing by the relay device the connection establishment or the connection resumption with the base station is a second reason, wherein the second reason is related to a connection re-establishment and the connection-related information is configured to indicate a connection request of the remote device

S301

FIG. 3

determining the reason for performing the connection establishment or the connection resumption according to a reason in the connection request of the remote device indicated by the connection-related information and the connection-related information is configured to indicate the connection request of the remote device

S401

FIG. 4

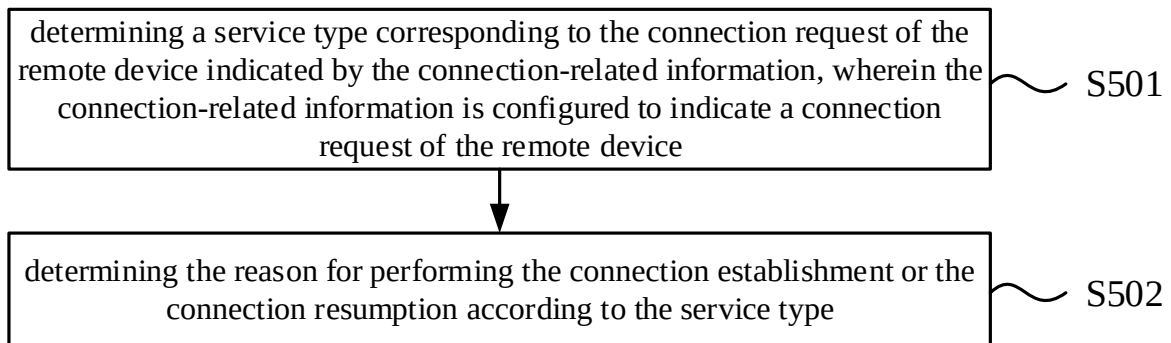


FIG. 5

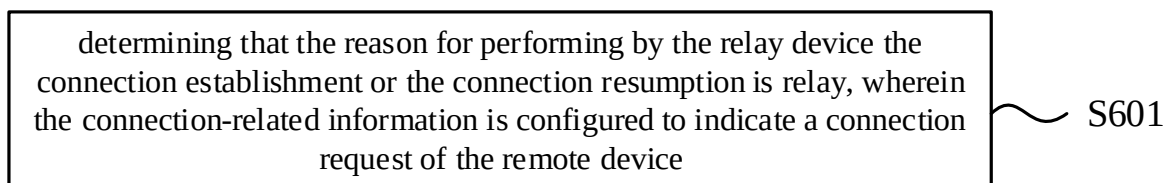


FIG. 6

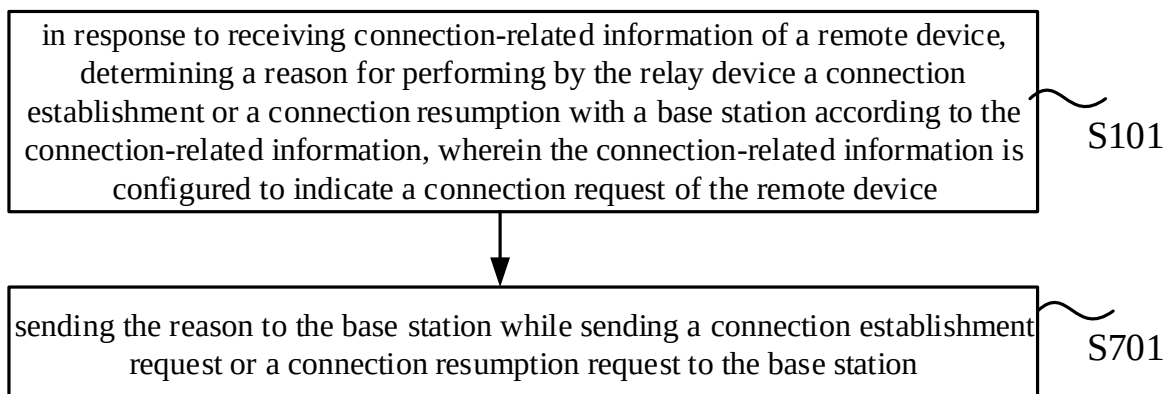


FIG. 7

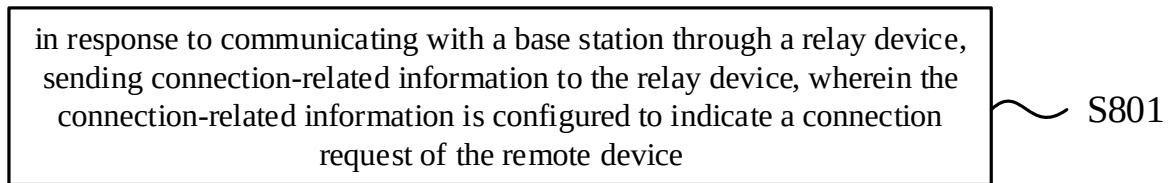


FIG. 8

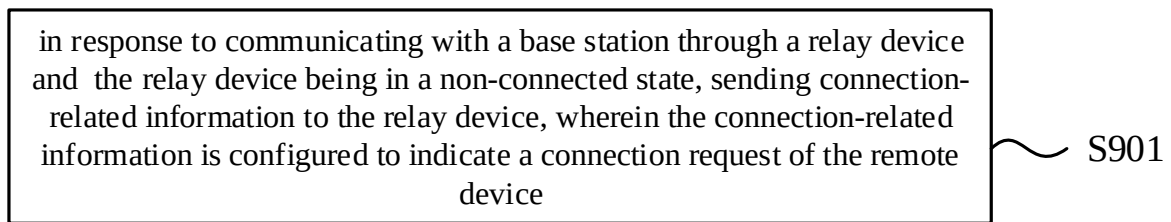


FIG. 9

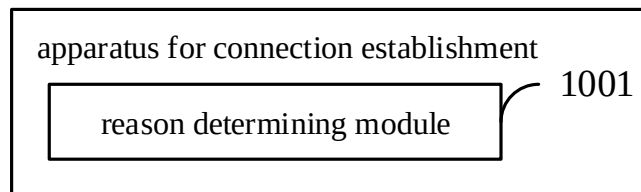


FIG. 10

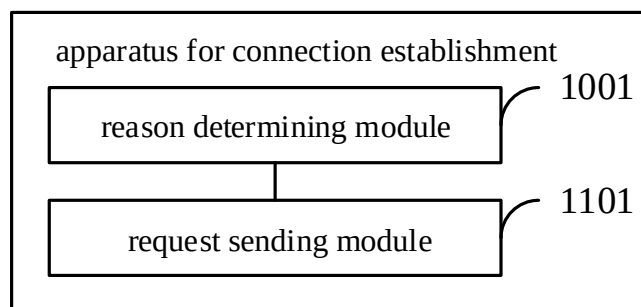


FIG. 11

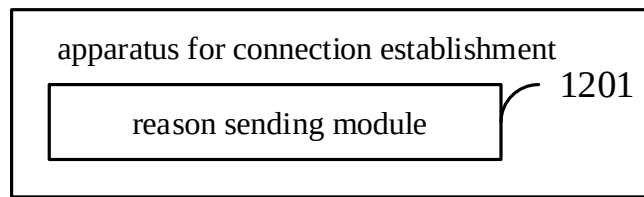


FIG. 12

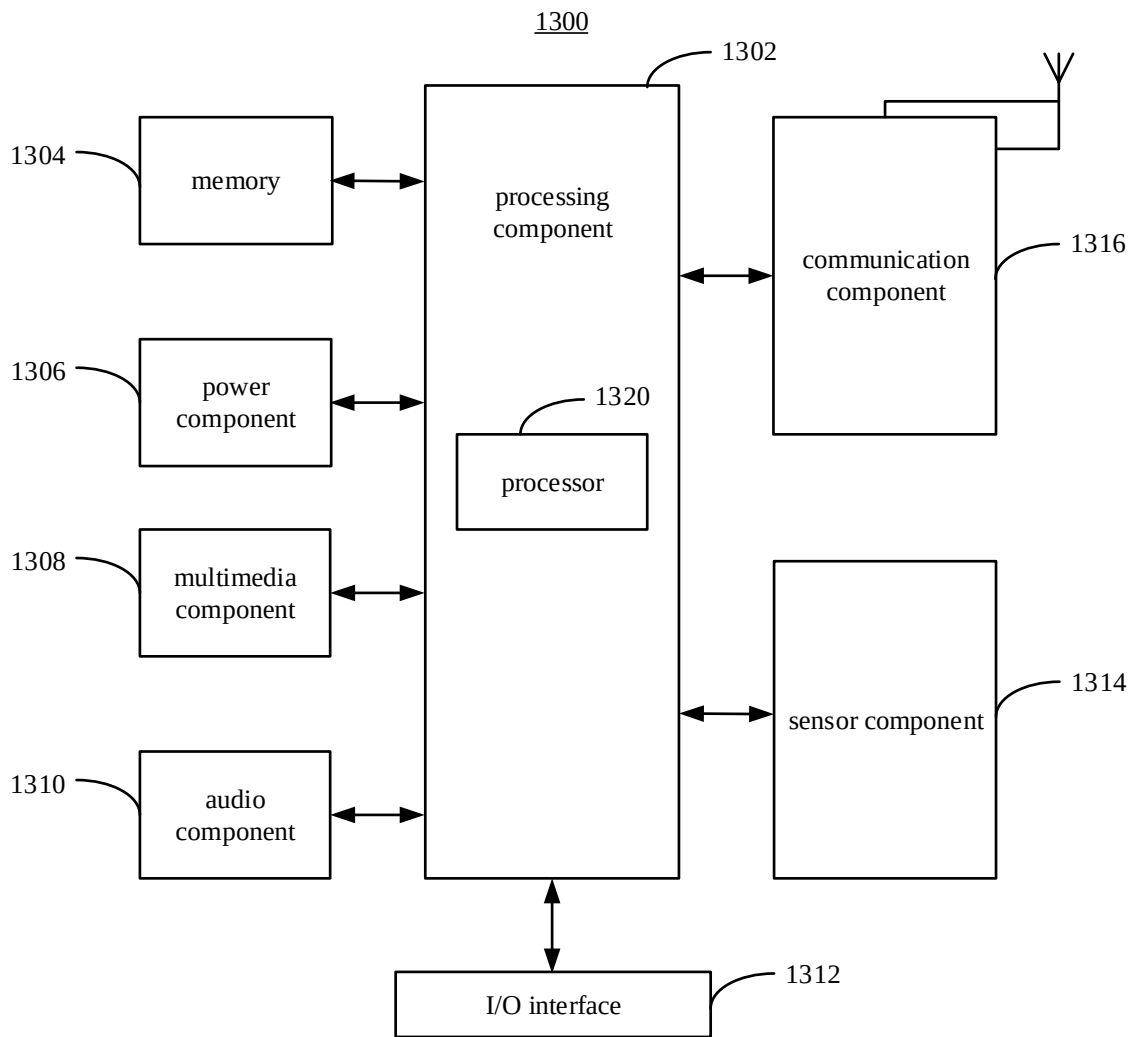


FIG. 13