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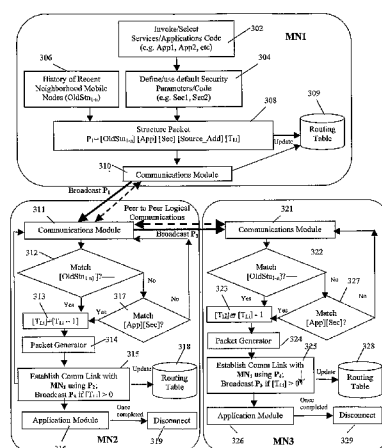
(54) Title: METHOD AND SYSTEM FOR SECURED SERVICE-ORIENTED NODES DISCOVERY AND ROUTE DETER-
MINATION IN MOBILE AD-HOC NETWORK

FIG. 3

(57) Abstract: The present invention provides a mobile node for generating and transmitting a data packet to a designation mobile node through a mobile Ad-hoc network (MANET). The mobile node comprises a service/application module defining a code for each service/application executable on the mobile node, a security code generator operable to generate a security code, a connection history recorded IDs of the other mobile node connected to the mobile node, a routing table defining possible routes for routing the data packet within the MANET, a packet generator operable to generate a data packet having parameters that include the service/application code, the security code, the IDs and a counter defining a number of hops required for transmission and a communication module for broadcasting the data packet. When the another mobile nodes receives the data packet, the another mobile nodes verifies all the parameters of the data packet to authenticate the transmission.