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(54) Title of the invention : SYSTEM AND METHOD FOR MOBILE AGENT SECURITY IN A MOBILE AD-HOC NETWORK (MANET)

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(57) Abstract :

Present subject matter relates to a method for mobile agent (104) security in a Mobile Ad-hoc Network (MANET). The method includes determining a local trust value among nodes (102) based on a first interaction among the nodes (102). The first interaction includes sending a mobile agent (104) from a source node to a destination node. A global trust value of each node (102) is determined based on the determined local trust value. Further, the local trust value among the nodes (102) is updated based on a second interaction among the nodes (102). The second interaction includes sending a mobile agent (104) from the source node to the destination node, the mobile agent (104) carries information such as a list of global trust values along with time stamp and a faulty list. Thereafter, the global trust value of each node (102) is updated based on the updated local trust value.

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