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(54) **MAYDAY-RELAY MECHANISM IN A MESH NETWORK**

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ABSTRACT

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A system and method of relaying distress calls in a mesh network of nodes. The method includes discovering, by a target node of the mesh network, a plurality of neighboring nodes of the target node that each have one or more types of communication capabilities with the target node. The method includes detecting, by the target node, a failure event associated with a resource of the target node. The method includes broadcasting, by the target node, a distress call indicative of the failure event to one or more neighboring nodes of the plurality of neighboring nodes of the target node to cause the one or more neighboring nodes to redirect the distress call to an egress node of the mesh network.

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