

METHOD AND SYSTEM FOR AN ADAPTIVE UNIVERSAL NETWORK ENGINE FOR MOBILE AD-HOC NETWORK NODES

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ABSTRACT

A system and method for providing an adaptive and universal engine for a node in a Mobile Ad-hoc Network (MANET). The system receives a user input scenario that includes user expectation parameters. A parametric template is then assigned to the scenario. The parametric template includes network transmission parameters to provide the network resources to meet the user expectation parameters. The parametric template is then used to adaptively activate or deactivate one or more network functionalities and network resources of the node to meet users' expectations taking into account the changing operating environment, changing resource requirements in the device and demands of upstream devices.

Figure 3