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(57) Abstract :
The present invention discloses a system based on network aware application dependent adaptive protocol selection for IoT communications. It is disclosed how to use systems, devices, and methods to automatically choose an application-layer communication protocol based on the network connection between the sending device and the recipient as well as one or more communication characteristics of the sending application. Further, the choice of which protocol to employ may be made message-by-message, repeatedly at different intervals (for example, once after a set amount of time), once at application initialization, or in a similar manner. An application can take advantage of the benefits of a particular protocol given the communication characteristics of the application and features of the network connection at that moment by dynamically choosing an application-layer communications protocol. Accompanied Drawings [FIGS. 1-2]

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