METHOD AND APPARATUS FOR CONTROLLING AN UPPER LAYER IN A PROTOCOL STACK TO DELAY TIMEOUTS

ABSTRACT

In a device communicating over a network, a proxy to delay timeout of an application on the device where the proxy is on a communications path between the application and the network, the proxy comprising means for registering a data request from the application to the network; a counter for measuring a predetermined time interval, the time interval selected to prevent timeout at the application; means to send preventative data to the application after the counter has expired but before a response is received; means for modifying a response received from the network to remove preventative data already sent to the application, creating a modified response; and means for forwarding the modified response to the application, wherein the proxy registers that a message has been sent and waits a predetermined interval, and if a response has not been received during that interval sends the preventative data to the application to delay a timeout.

(Fig. 1)