

ABSTRACT OF THE DISCLOSURE

TECHNIQUES FOR PRESERVING BATTERY LIFE IN POOR SIGNAL CONDITIONS USING CELLULAR PROTOCOL INFORMATION

One embodiment of the present invention sets forth a technique for operating an electronic device within a cellular environment. The technique includes determining a coverage enhancement (CE) parameter and one or more radio frequency (RF) link parameters associated with a link between the electronic device and a cellular base station at a first point in time. The technique also includes computing a first estimate for a signal condition associated with the link based on the CE parameter and the one or more RF link parameters. The technique further includes determining that the signal condition is not adequate based on the first estimate and delaying transmission of one or more messages from the electronic device over the link until a second point in time that is later than the first point in time.

FIG. 4