

ABSTRACT**A VARIABLE SLEEP MODE FOR MOBILE STATIONS IN A MOBILE COMMUNICATIONS NETWORK**

A sleep cycle of a mobile station may be optimally varied depending upon one or more conditions relating to the mobile station's operation. Based on one or more of those conditions, a variable wake up parameter is determined and used to establish times when the mobile station automatically leaves a lower power mode and enters a higher power mode to listen for a page. The mobile station's variable wake up parameter is provided to a radio access network and to one or more core networks to permit coordination of communications and services with the mobile station.



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