

02 SEP 2002

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CODE DIVISION MULTIPLE ACCESS MOBILE
COMMUNICATION SYSTEM

ABSTRACT OF THE DISCLOSURE

In a mobile communication system using a code division multiple access (CDMA) method, spreading code detection and frame/slot timing synchronization (cell search) is conducted by using a long code masked symbol. The spreading factor of the long code masked symbol is set to a value lower than spreading factors of other ordinary symbols. As a result, it becomes possible to reduce the circuit scale and power dissipation of the mobile terminal and raise the speed of cell search.

Figure 3



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