

Abstract

Cell Search Method and Terminal Device

Provided are a cell search method and a terminal device. The method is applied to a
5 terminal device in an inactive state, wherein the inactive state indicates that the terminal device
is disconnected from a network device, and the network device and the terminal device both
retain contextual information of the terminal device, the contextual information being used for
establishing a connection between the terminal device and the network device. The method
comprises: when no suitable cell is found for camping, a terminal device entering an arbitrary
10 cell search state to search for an acceptable cell and/or a suitable cell. In the embodiments of the
present invention, when no suitable cell is found for camping, a terminal device in an inactive
state searches for an acceptable cell and/or a suitable cell by means of entering an arbitrary cell
search state, so that an existing protocol framework can be applied to the greatest possible
extent to increase the popularity of same. Furthermore, exactly knowing the status of a UE and
15 contextual information of the UE can ensure that a UE behavior can be managed and controlled.

FIG. 2