

Abstract

Method and Device for Determining Detection Range of Control Channel in Multi-beam System

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The present application provides a method and device for determining a detection range for a control channel in a multi-beam system. The method includes: a network device sends configuration information to a terminal device, wherein the configuration information is used for the terminal device to determine a time domain resource in which control channel detection is required within a target downlink time period according to the configuration information, and the time domain resource includes multiple time domain scheduling units. According to the method for determining the detection range for the control channel in the multi-beam system of the embodiment of the present application, the terminal device only needs to perform the detection of control channel on the time domain resource determined according to the configuration information, and those time domain resources (such as time domain scheduling units where synchronization signals or broadcast signals of other beams are located) on which a control channel of a current beam is determined not to exist, may be excluded through the configuration information, so that the terminal device avoids detecting these part of time domain resources, thereby reducing the complexity and the battery power consumption of the terminal device.

FIG. 1