

# **PHYSICAL UPLINK CONTROL CHANNEL SENDING METHOD AND RECEIVING METHOD, AND COMMUNICATION APPARATUS**

## **ABSTRACT**

5        This application discloses a PUCCH sending method and receiving method, and a communication apparatus. The method includes: A terminal device determines a first base sequence and a second base sequence, sends a first part of a PUCCH on a first time domain resource based on the first base sequence, and sends a second part of the PUCCH on a second time domain resource based on the second base sequence. The terminal device sends the PUCCH in a disabled frequency hopping transmission mode in a first time unit, and the PUCCH occupies L consecutive symbols. The first time domain resource is F consecutive symbols in the L symbols, the second time domain resource is (L-F) consecutive symbols in the L symbols, and both L and F are positive integers. When different terminal devices communicate on a same time-frequency resource separately in an intra-time unit frequency hopping transmission mode and a disabled  
10        intra-time unit frequency hopping transmission mode, signal interference between the different terminal devices can be avoided according to the method in this application, thereby improving communication quality.

20        FIG. 4