

## CLAIMS

1. A processing method, performed by a terminal, comprising:

in response to a lower layer of the terminal receiving a second channel for scheduling a first channel and resources occupied by the first channel exceeding a first channel baseband bandwidth of the terminal, not notifying, by the lower layer, a higher layer of the terminal that the second channel is received, or performing, by the lower layer, a first operation to notify the higher layer, wherein the first operation comprises at least one of: notifying that the second channel is received, or notifying that the second channel received is invalid.

2. The method according to claim 1, wherein the first channel is used to carry an MsgB or an Msg4, and the second channel is used to carry first information and the first information is used to schedule the first channel.

3. The method according to claim 2,

wherein notifying that the second channel is received comprises:

sending, by the lower layer, a first indication to the higher layer, wherein the first indication indicates that the lower layer receives the second channel;

wherein notifying that the second channel received is invalid comprises at least one of:

sending, by the lower layer, a second indication to the higher layer, wherein the second indication indicates that the resources occupied by the first channel exceed the first channel baseband bandwidth of the terminal;

sending, by the lower layer, a third indication to the higher layer, wherein the third indication indicates a contention resolution failure; or

sending, by the lower layer, a fourth indication to the higher layer, wherein the fourth indication indicates that the second channel received by the lower layer is invalid.

4. The method according to claim 2, wherein in response to the lower layer not notifying the higher layer of the terminal that the second channel is received, the method further comprises:

in a case the higher layer determining that a contention resolution timer expires, performing at least one of:

determining a contention resolution failure;

performing a random backoff operation; or  
retransmitting a physical random access channel (PRACH),  
wherein the competition resolution timer is started when the terminal last transmitted an  
Msg3 or MsgA.

5. The method according to claim 2, wherein in response to the lower layer performing  
the first operation to notify the higher layer, the method further comprises at least one of:

determining a competition resolution failure;  
stopping a competition resolution timer;  
determining that a competition resolution timer expires;  
performing a random backoff operation; or  
retransmitting a PRACH.

6. The method according to claim 2, further comprising:  
discarding or not discarding the first information.

7. The method according to claim 2, wherein the first channel is a physical downlink  
shared channel (PDSCH), the second channel is a physical downlink control channel  
(PDCCH), and the first information is downlink control information (DCI).

8. The method according to any one of claims 1-7, wherein the higher layer comprises a  
media access control (MAC) layer, and the lower layer comprises a physical layer.

9. The method according to any one of claims 1-7, wherein the terminal is a reduced  
capability (Redcap) terminal or an eRedCap terminal.

10. A processing method, performed by a communication system, comprising:  
sending, by a network device, a second channel to a lower layer of a terminal, wherein the  
second channel is used to schedule a first channel;  
determining, by the lower layer of the terminal, that resources occupied by the first  
channel exceed a first channel baseband bandwidth of the terminal, and not notifying, by the  
lower layer, a higher layer of the terminal that the second channel is received, or performing,  
by the lower layer, a first operation to notify the higher layer, wherein the first operation

comprises at least one of: notifying that the second channel is received, or notifying that the second channel received is invalid.

11. A communication device, comprising a processor and a memory, wherein the memory stores a computer program that, when executed by the processor, causes the communication device to implement the method according to any one of claims 1 to 9.

12. A communication device, comprising: a processor and an interface circuit, wherein the interface circuit is configured to receive code instructions and transmit the code instructions to the processor; and

the processor is configured to run the code instructions to perform the method according to any one of claims 1 to 9.

13. A computer-readable storage medium for storing instructions that, when executed, cause the method according to any one of claims 1 to 9 to be implemented.