

CLAIMS

1. A resource determining method, applied to a terminal and comprising:
determining a sub-slot in which first information is located; and
determining, based on starting symbol information and the number of symbols
5 of a physical uplink control channel PUCCH resource corresponding to the first
information, a resource location of the PUCCH resource in the sub-slot;
wherein the determining a sub-slot in which first information is located
comprises:
determining, based on configuration information of the first information, a slot
10 in which the first information is located, wherein the configuration information
indicates a periodicity and an offset of the first information, the periodicity measured
in slots and the offset measured in slots; and
determining the sub-slot in which the first information is located based on any
one of the following:
15 a pre-defined relationship between the sub-slot and the slot;
the starting symbol information of the PUCCH resource; and
a preconfigured offset of the sub-slot in the slot.
2. The method according to claim 1, wherein the starting symbol information of
the PUCCH resource comprises: a starting symbol index of the PUCCH resource.
- 20 3. The method according to claim 2, wherein
the starting symbol index of the PUCCH resource is an offset, in a number of
symbols, of a starting symbol of the PUCCH resource with respect to the first symbol
of a slot in which the PUCCH resource is located;
or
25 the starting symbol index of the PUCCH resource is an offset, in a number of
symbols, of the starting symbol of the PUCCH resource with respect to the first
symbol of a sub-slot in which the PUCCH resource is located.

4. The method according to any one of claims 1 to 3, wherein the first information comprises any one of the following:

a scheduling request SR and channel state information CSI, wherein

in a case that the first information is a SR, a periodicity of the SR is longer than one slot.

5. The method according to any one of claims 1 to 4, wherein the PUCCH resource corresponding to the first information is located in only one sub-slot.

6. The method according to claim 4, wherein when the first information further comprises hybrid automatic repeat request acknowledgement HARQ-ACK feedback information,

a starting symbol index of a PUCCH resource corresponding to the HARQ-ACK feedback information is an offset, in a number of symbols, of the starting symbol of the PUCCH resource with respect to the first symbol of the sub-slot in which the PUCCH resource is located.

7. A resource configuration method, applied to a network device and comprising: transmitting configuration information of first information and sub-slot configuration information thereof to a terminal, wherein the configuration information of the first information indicates a periodicity and an offset of the first information, the periodicity measured in slots and the offset measured in slots, and the sub-slot configuration information indicates the number of symbols in a sub-slot, wherein

a PUCCH resource corresponding to the first information is located in only one sub-slot, the configuration information of the first information is used by the terminal to determine a slot in which the first information is located, and to determine the sub-slot in which the first information is located based on any one of the following:

a pre-defined relationship between the sub-slot and the slot;

the starting symbol information of the PUCCH resource; and

a preconfigured offset of the sub-slot in the slot.

8. The method according to claim 7, wherein the number of symbols in a sub-slot is 2 or 7.

9. The method according to claim 7, wherein the sub-slot configuration information is transmitted by using a radio resource control RRC parameter.

10. The method according to any one of claims 7 to 9, wherein the first information comprises any one of the following: a scheduling request SR and channel state information CSI.

11. A terminal, comprising:

a first determining module, configured to determine a sub-slot in which first information is located; and

a second determining module, configured to determine, based on starting symbol information and the number of symbols of a physical uplink control channel PUCCH resource corresponding to the first information, a resource location of the PUCCH resource in the sub-slot;

wherein the first determining module comprises:

a first determining unit, configured to determine, based on configuration information of the first information, a slot in which the first information is located, wherein the configuration information indicates a periodicity and an offset of the first information, the periodicity measured in slots and the offset measured in slots; and

a second determining unit, configured to determine the sub-slot in which the first information is located based on any one of the following:

a pre-defined relationship between the sub-slot and the slot;
the starting symbol information of the PUCCH resource; and
a preconfigured offset of the sub-slot in the slot.

12. The terminal according to claim 11, wherein the starting symbol information of the PUCCH resource comprises: a starting symbol index of the PUCCH resource.

13. The terminal according to claim 12, wherein

the starting symbol index of the PUCCH resource is an offset, in a number of symbols, of a starting symbol of the PUCCH resource with respect to the first symbol of a slot in which the PUCCH resource is located;

or

the starting symbol index of the PUCCH resource is an offset, in a number of symbols, of the starting symbol of the PUCCH resource with respect to the first symbol of a sub-slot in which the PUCCH resource is located.

14. The terminal according to any one of claims 11 to 13, wherein the first
5 information comprises any one of the following:

a scheduling request SR and channel state information CSI, wherein

in a case that the first information is a SR, a periodicity of the SR is longer than one slot.

15. The terminal according to any one of claims 11 to 14, wherein the PUCCH
10 resource corresponding to the first information is located in only one sub-slot.

16. A network device, comprising:

a transmitting module, configured to transmit configuration information of first
information and sub-slot configuration information thereof to a terminal, wherein the
configuration information of the first information indicates a periodicity and an offset
15 of the first information, the periodicity measured in slots and the offset measured in
slots, and the sub-slot configuration information indicates the number of symbols in
a sub-slot, wherein

a PUCCH resource corresponding to the first information is located in only one
sub-slot, the configuration information of the first information is used by the terminal
20 to determine a slot in which the first information is located, and to determine the sub-
slot in which the first information is located based on any one of the following:

a pre-defined relationship between the sub-slot and the slot;

the starting symbol information of the PUCCH resource; and

a preconfigured offset of the sub-slot in the slot.

25 17. The network device according to claim 16, wherein the number of symbols
in a sub-slot is 2 or 7.

18. A computer-readable storage medium, storing a computer program, wherein
when the computer program is executed by a processor, the steps of the resource
determining method according to any one of claims 1 to 6 are implemented, or the

steps of the resource configuration method according to any one of claims 7 to 10 are implemented.