

WHAT IS CLAIMED IS:

1. A method for determining paging time, comprising:
receiving, by a terminal, paging configuration information;
determining, by the terminal, at least one type of at least one paging time unit corresponding to the terminal based on the paging configuration information;
determining, by the terminal, a set of paging time units based on the at least one type of the at least one paging time unit; and
receiving, by the terminal, a paging message on at least one paging time unit in the set of paging time units,

wherein, one or more paging time units comprise at least one of a first type of a paging time unit or a second type of a paging time unit,

the first type of the paging time unit corresponds to a first type of time-frequency resource, and the second type of the paging time unit corresponds to a second type of time-frequency resource, and

a size of a time-frequency resource corresponding to the first type of time-frequency resource is different from a size of a time-frequency resource corresponding to the second type of time-frequency resource, and

wherein the at least one paging time unit comprises a part of time units in a paging occasion (PO).

2. The method of claim 1, wherein the determining, by the terminal, the at least one type of the at least one paging time unit corresponding to the terminal based on the paging configuration information comprises:

obtaining, by the terminal, time-frequency resource information corresponding to the paging message from the paging configuration information; and

determining, by the terminal, the at least one type of the at least one paging time unit corresponding to the terminal based on at least one of: the time-frequency resource information corresponding to the paging message, time-frequency resource information of a Synchronization Signal (SS) block, or preset bandwidth information.

3. The method of claim 1, wherein the determining, by the terminal, the at least one type of the at least one paging time unit corresponding to the terminal based on the paging

configuration information comprises:

obtaining, by the terminal, paging indication information from the paging configuration information; and

determining, by the terminal, the at least one type of the at least one paging time unit corresponding to the terminal based on the paging indication information.

4. The method of claim 2, wherein the determining, by the terminal, the at least one type of the at least one paging time unit corresponding to the terminal based on at least one of the time-frequency resource information corresponding to the paging message, the time-frequency resource information of the SS block, or the preset bandwidth information comprises:

determining, by the terminal based on at least one of the time-frequency resource information corresponding to the paging message, the time-frequency resource information of the SS block, or the preset bandwidth information, that the at least one type of the at least one paging time unit corresponding to the terminal is the first type of the paging time unit or the second type of the paging time unit;

or,

determining, by the terminal based on at least one of the time-frequency resource information corresponding to the paging message, the time-frequency resource information of the SS block, or the preset bandwidth information, that the at least one type of the at least one paging time unit corresponding to the terminal is the first type of the paging time unit and the second type of the paging time unit.

5. The method of claim 3, wherein the determining, by the terminal, the at least one type of the at least one paging time units corresponding to the terminal based on the paging indication information comprises:

determining, by the terminal based on the paging indication information, that the at least one type of the at least one paging time unit corresponding to the terminal is the first type of the paging time unit or the second type of the paging time unit; or

determining, by the terminal based on the paging indication information, that the at least one type of the at least one paging time unit corresponding to the terminal is the first type of the paging time unit and the second type of the paging time unit.

~~6. The method of any one of claims 1 to 5, wherein the paging time unit comprises a paging occasion (PO) or a part of time units in the PO.~~

~~76.~~ A method for determining paging time, comprising:

transmitting, by a network, paging configuration information, the paging configuration information being configured for determining at least one type of at least one paging time unit corresponding to a terminal; and

transmitting, by the network, a paging message on at least one paging time unit in a set of paging time units corresponding to the paging configuration information,

wherein, one or more paging time units comprise at least one of a first type of a paging time unit or a second type of a paging time unit,

the first type of the paging time unit corresponds to a first type of time-frequency resource, and the second type of the paging time unit corresponds to a second type of time-frequency resource, and

a size of a time-frequency resource corresponding to the first type of time-frequency resource is different from a size of a time-frequency resource corresponding to the second type of time-frequency resource, and

wherein the at least one paging time unit comprises a part of time units in a paging occasion (PO).

~~87.~~ The method of claim ~~76~~, wherein the paging configuration information comprises time-frequency resource information corresponding to the paging message.

~~98.~~ The method of claim ~~76~~, wherein the paging configuration information comprises paging indication information.

~~109.~~ A device for determining paging time, comprising:

a first receiving unit, configured to receive paging configuration information;

a first determining unit, configured to determine at least one type of at least one paging time unit corresponding to the terminal based on the paging configuration information;

a second determining unit, configured to determine a set of paging time units based on the at least one type of the at least one paging time unit; and

a second receiving unit, configured to receive a paging message on at least one paging

time unit in the set of paging time units,

wherein, one or more paging time units comprise at least one of a first type of a paging time unit and a second type of a paging time unit,

the first type of the paging time unit corresponds to a first type of time-frequency resource, and the second type of the paging time unit corresponds to a second type of time-frequency resource, and

a size of a time-frequency resource corresponding to the first type of time-frequency resource is different from a size of a time-frequency resource corresponding to the second type of time-frequency resource, and

wherein the at least one paging time unit comprises a part of time units in a paging occasion (PO).

~~11. The device of claim 10, wherein the first type of the paging time unit corresponds to a first type of time-frequency resource, and the second type of the paging time unit corresponds to a second type of time frequency resource.~~

~~1210. The device of claim 11, wherein a size of a time frequency resource corresponding to the first type of time frequency resource is different from a size of a time frequency resource corresponding to the second type of time frequency resource;~~

~~and/or,~~

a multiplexing manner for the first type of time-frequency resource and a time-frequency resource of an SS block is different from a multiplexing manner for the second type of time-frequency resource and the time-frequency resource of the SS block.

~~1311. A device for determining paging time, comprising:~~

a first transmitting unit, configured to transmit paging configuration information, the paging configuration information being configured for determining at least one type of at least one paging time unit corresponding to a terminal; and

a second transmitting unit, configured to transmit a paging message on at least one paging time unit in a set of paging time units corresponding to the paging configuration information,

wherein, one or more paging time units comprise at least one of a first type of a paging time unit and a second type of a paging time unit,

the first type of the paging time unit corresponds to a first type of time-frequency resource, and the second type of the paging time unit corresponds to a second type of time-frequency resource, and

a size of a time-frequency resource corresponding to the first type of time-frequency resource is different from a size of a time-frequency resource corresponding to the second type of time-frequency resource, and

wherein the at least one paging time unit comprises a part of time units in a paging occasion (PO).

~~14. The device of claim 13, wherein the first type of the paging time unit corresponds to a first type of time frequency resource, and the second type of the paging time unit corresponds to a second type of time frequency resource.~~

~~1512. The device of claim 1411, wherein a size of a time frequency resource corresponding to the first type of time frequency resource is different from a size of a time frequency resource corresponding to the second type of time frequency resource;~~

~~and/or,~~

a multiplexing manner for the first type of time-frequency resource and a time-frequency resource of an SS block is different from a multiplexing manner for the second type of time-frequency resource and the time-frequency resource of the SS block.