

## CLAIMS

What is claimed is:

1. A method for transmitting system information, ~~the method being~~ performed by a base station ~~and~~, comprising:

~~determining identifiers of a plurality of pieces of second system information;~~

determining (101; 301) an identifier of each piece of currently supported second system information, wherein the first system information refers to the system information that is periodically broadcast by the base station, and each piece of second system information refers to the system information other than the system information comprised by the first system information;

determining a(102; 302) transmission status of the plurality of pieces of second system information based on the identifiers of the plurality of pieces~~each piece~~ of second system information, wherein the in accordance with the identifier of each piece of second system information; and

broadcasting (103; 303) the first system information, wherein the first system information comprises the identifier and the transmission status ~~comprises a first of~~ each piece of second system information;

wherein the transmission status ~~and comprises~~ a second~~first~~ transmission status, the first and a second transmission status ~~indicates, the first transmission status is used for indicating that the corresponding second system information is being broadcast, and the second transmission status indicates~~ is used for indicating that the corresponding second system information is not being broadcast; and

~~broadcasting first system information, wherein the first system information includes the identifiers and the transmission status of the plurality of pieces of second system information, wherein the first system information is system information that is periodically broadcast by the base station, and the plurality of pieces of second system information are system information other than the system information included by the first system information.~~

2. ~~The method according to claim 1, wherein the first transmission status indicates that the corresponding second system information is being broadcast by indicating that the corresponding~~

~~second system information is being transmitted, and the second transmission status indicates that the corresponding second system information is not being broadcast by indicating that the corresponding second system information is not being transmitted.~~

~~3. The method according to claim 2, wherein~~ for each of the plurality of pieces of second system information, when the transmission status of the second system information is the first transmission status, the first system information further comprises a transmission mode of the second system information, ~~wherein~~and the transmission mode is a broadcast mode.

~~42. The method according to claim 31, wherein~~ for each of the plurality of pieces of second system information, when the transmission mode of the second system information is the broadcast mode, the first system information further comprises a broadcast address of the second system information.

3. A method for acquiring system information performed by a terminal, comprising:  
receiving (201; 304) first system information broadcast by a base station, wherein the first system information comprises an identifier and transmission status of each piece of second system information, wherein the first system information refers to the system information that is periodically broadcast by the base station, and each piece of second system information refers to the system information other than the system information comprised by the first system information;

acquiring (202; 305) transmission status of target system information from the first system information in accordance with an identifier of the target system information when the target system information needs to be acquired, wherein the target system information is any one of the plurality of pieces of second system information; and

when determining that the target system information is being broadcast based on the transmission status of the target system information, acquiring (203; 306) the target system information based on information that is being broadcast by the base station;

wherein the transmission status comprises a first transmission status and a second transmission status, the first transmission status is used for indicating that the corresponding second system information is being broadcast, and the second transmission status is used for indicating that the corresponding second system information is not being broadcast; and

for each of the plurality of pieces of second system information, when the transmission status of the second system information is the first transmission status, the first system information further comprises a transmission mode of the second system information, and the transmission mode is a broadcast mode.

4. The method according to claim 3, before said acquiring the target system information based on information that is being broadcast by the base station, further comprising:

judging whether the transmission status of the target system information is the first transmission status, wherein the first transmission status is used for indicating that the target system information is being broadcast or unicast; and

determining that the target system information is being broadcast or unicast when the transmission status of the target system information is the first transmission status.

5. The method according to claim 3, wherein said acquiring the target system information based on information that is being broadcast by the base station comprises:

acquiring a transmission mode of the target system information from the first system information;

acquiring a broadcast address of the target system information from the first system information when the transmission mode of the target system information is the broadcast mode; and

acquiring the target system information from the information that is being broadcast by the base station based on the broadcast address.

6. A device provided as a base station for transmitting system information, comprising:

a processor; and

a memory (632) configured to store an instruction executable by the processor, wherein the processor is configured to:

determine an identifier of each piece of currently supported second system information, wherein the first system information refers to the system information that is periodically broadcast by the base station, and each piece of second system information refers to the system information other than the system information comprised by the first system information;

determine transmission status of each piece of second system information in accordance with the identifier of each piece of second system information; and

broadcast the first system information, wherein the first system information comprises the identifier and the transmission status of each piece of second system information;

wherein the transmission status comprises a first transmission status and a second transmission status, the first transmission status is used for indicating that the corresponding second system information is being broadcast, and the second transmission status is used for indicating that the corresponding second system information is not being broadcast; and

for each of the plurality of pieces of second system information, when the transmission status of the second system information is the first transmission status, the first system information further comprises a transmission mode of the second system information, and the transmission mode is a broadcast mode.

7. The device according to claim 6, wherein for each of the plurality of pieces of second system information, when the transmission mode of the second system information is the broadcast mode, the first system information further comprises a broadcast address of the second system information.

8. A device provided as a terminal for acquiring system information, comprising:

a processor (720); and

a memory (704) configured to store an instruction executable by the processor (720), wherein the processor (720) is configured to:

receive first system information broadcast by a base station, wherein the first system information comprises an identifier and transmission status of each piece of second system information, wherein the first system information refers to the system information that is periodically broadcast by the base station, and each piece of second system information refers to the system information other than the system information comprised by the first system information;

acquire transmission status of target system information from the first system information in accordance with an identifier of the target system information when the target system information needs to be acquired, wherein the target system information is any one of the plurality of pieces of second system information; and

when it is determined that the target system information is being broadcast based on the transmission status of the target system information, acquire the target system information based on information that is being broadcast by the base station;

wherein the transmission status comprises a first transmission status and a second transmission status, the first transmission status is used for indicating that the corresponding second system information is being broadcast, and the second transmission status is used for indicating that the corresponding second system information is not being broadcast; and

for each of the plurality of pieces of second system information, when the transmission status of the second system information is the first transmission status, the first system information further comprises a transmission mode of the second system information, and the transmission mode is a broadcast mode.

~~5. A base station, comprising:  
a processor; and  
a memory storing an instruction executable by the processor,  
wherein the processor is configured to:  
determine identifiers of a plurality of pieces of second system information;  
determine a transmission status of the plurality of pieces of second system information based on the identifiers of the plurality of pieces of second system information, wherein the transmission status comprises a first transmission status and a second transmission status, the first transmission status indicates that the corresponding second system information is being broadcast, and the second transmission status indicates that the corresponding second system information is not being broadcast; and~~

~~broadcast first system information, wherein the first system information includes the identifiers and the transmission status of the plurality of pieces of second system information.~~

~~6. The base station according to claim 5, wherein the first transmission status indicates that the corresponding second system information is being broadcast by indicating that the corresponding second system information is being transmitted, and that the corresponding second system information is being broadcast by indicating the second transmission status indicates that the corresponding second system information is not being transmitted.~~

~~7. The base station according to claim 6, wherein for each of the plurality of pieces of second system information, when the transmission status of the second system information is the first transmission status, the first system information further comprises a transmission mode of the second system information, wherein the transmission mode is a broadcast mode.~~

~~8. The base station according to claim 7, wherein for each of the plurality of pieces of second system information, when the transmission mode of the second system information is the broadcast mode, the first system information further comprises a broadcast address of the second system information.~~

~~9. A terminal, comprising:  
a processor; and  
a memory storing an instruction executable by the processor;  
wherein the processor is configured to:  
receive first system information broadcast by a base station, wherein the first system information includes identifiers and transmission status of a plurality of pieces of second system information, wherein the first system information is system information that is periodically broadcast by the base station, and the plurality of pieces of second system information are system information other than the system information included by the first system information;  
acquire a transmission status of target system information from the first system information based on an identifier of the target system information when the target system information needs to be acquired, wherein the target system information is one of the plurality of pieces of second system information, wherein the transmission status comprises a first transmission status and a second transmission status, the first transmission status indicates that the target system information is being broadcast, and the second transmission status indicates that the target system information is not being broadcast; and  
when it is determined that the target system information is being broadcast based on the transmission status of the target system information, acquire the target system information based on information that is being transmitted by the base station.~~

109. The ~~terminal device~~ according to claim 9, ~~wherein~~<sup>8</sup>, the processor (720) is further configured to:

judge whether the transmission status of the target system information is the first transmission status, wherein the first transmission status ~~indicates that the target system information is being broadcast by~~<sup>used for</sup> indicating that the target system information is being ~~transmitted~~<sup>broadcast or unicast</sup>; and

determine that the target system information is being ~~transmitted~~<sup>broadcast or unicast</sup> when the transmission status of the target system information is the first transmission status.

110. The ~~terminal device~~ according to claim 9 ~~or 108~~, wherein the processor (720) is further configured to:

acquire a transmission mode of the target system information from the first system information;  
acquire a broadcast address of the target system information from the first system information when the transmission mode of the target system information is ~~at~~<sup>the</sup> broadcast mode; and

acquire the target system information from the information that is being ~~transmitted~~<sup>broadcast</sup> by the base station based on the broadcast address.