

CLAIMS

What is claimed is:

1. A method for transmitting system information performed by a base station, comprising:
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 (102; 302) transmission status of each piece of second system information 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 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.
2. The method according to claim 1, 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.

9. The device according to claim 8, 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 is used for indicating that the target system information is being broadcast or unicast; and

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

10. The device according to claim 8, 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 the broadcast mode; and
acquire the target system information from the information that is being broadcast by the base
station based on the broadcast address.