

## CLAIMS

What is claimed is:

1. A method for requesting system information, comprising:

transmitting (102) a request for at least one system information block group, each of which comprises one or more system information blocks, from a user terminal to a base station, wherein the one or more system information blocks are grouped according to a feature of the one or more system information blocks, wherein further the feature is either one of a functionality of the one or more system information blocks and a periodicity of the one or more system information blocks;

receiving (104) one or more system information block groups from the base station, wherein the one or more system information block groups comprise the at least one system information block group; and wherein the transmission of the request comprises transmitting a preamble for indicating the at least one system information block group.

2. The method according to claim 1, wherein the transmission of the request comprises:

selecting, from a plurality of preambles, a preamble associated with the at least one system information block group; and

transmitting the request to the base station, wherein the request includes the selected preamble.

3. The method according to claim 1 or 2, wherein the at least one system information block group is indicated by transmission timing of the preamble.

4. The method according to claim 3, wherein the transmission of the request

comprises transmitting the request to the base station in accordance with a selected transmission timing associated with the at least one system information block group.

5. The method according to any one of claims 1 to 4, further comprising:  
receiving notification information from the base station, wherein transmission of the at least one system information block group is predefined or derived based at least partly on the notification information.
6. The method according to claim 5, wherein the notification information is included in minimum system information.
7. The method according to any one of claims 1 to 6, wherein the feature of the one or more system information blocks comprises at least one of functionality and periodicity of the one or more system information blocks.
8. The method according to any one of claims 1 to 7, further comprising:  
receiving an indicator from the base station, wherein the indicator indicates at least one of: which system information block group is being transmitted from the base station, and which system information block group is scheduled to be transmitted from the base station.
9. The method according to any one of claims 1 to 8, wherein the one or more system information block groups further comprise at least another system information block group which is not requested by the user terminal.
10. The method according to any one of claims 5 to 9, wherein the notification information indicates a correspondence between all of preambles and system information block groups.

11. A user terminal (300) for requesting system information, comprising:  
at least one processor (301); and  
at least one memory (302) comprising computer program code (303),  
the at least one memory (302) and the computer program code (303) configured to, with the at least one processor (301), cause the user terminal (300) at least to:  
transmit a request for at least one system information block group, each of which comprises one or more system information blocks, to a base station, wherein the one or more system information blocks are grouped according to a feature of the one or more system information blocks, wherein further the feature is either one of a functionality of the one or more system information blocks and a periodicity of the one or more system information blocks;  
receive one or more system information block groups from the base station, wherein the one or more system information block groups comprise the at least one system information block group; and wherein the at least one memory and the computer program code are configured to, with the at least one processor, cause the user terminal to transmit the request by transmitting a preamble for indicating the at least one system information block group.
12. The user terminal according to claim 11, wherein the at least one memory and the computer program code are configured to, with the at least one processor, cause the user terminal to transmit the request by:  
selecting, from a plurality of preambles, a preamble associated with the at least one system information block group; and  
transmitting the request to the base station, wherein the request includes the selected preamble.
13. The user terminal according to claim 11 or 12, wherein the at least one system

information block group is indicated by transmission timing of the preamble.

14. The user terminal according to claim 13, wherein the at least one memory and the computer program code are configured to, with the at least one processor, cause the user terminal to transmit the request by transmitting the request to the base station in accordance with a selected transmission timing associated with the at least one system information block group.

15. The user terminal according to any one of claims 11 to 14, wherein the at least one memory and the computer program code are configured to, with the at least one processor, cause the user terminal at least further to:

receive notification information from the base station, wherein transmission of the at least one system information block group is predefined or derived based at least partly on the notification information.

16. The user terminal according to claim 15, wherein the notification information is included in minimum system information.

17. The user terminal according to any one of claims 11 to 16, wherein the feature of the one or more system information blocks comprises at least one of functionality and periodicity of the one or more system information blocks.

18. The user terminal according to any one of claims 11 to 17, wherein the at least one memory and the computer program code are configured to, with the at least one processor, cause the user terminal at least further to:

receive an indicator from the base station, wherein the indicator indicates at least one of: which system information block group is being transmitted from the base

station, and which system information block group is scheduled to be transmitted from the base station.

19. The user terminal according to any one of claims 11 to 18, wherein the one or more system information block groups further comprise at least another system information block group which is not requested by the user terminal.

20. The user terminal according to any one of claims 15 to 19, wherein the notification information indicates a correspondence between all of preambles and system information block groups.

21. A method for transmission of system information, comprising:

receiving (202) a request for at least one system information block group, each of which comprises one or more system information blocks, from a user terminal to a base station, wherein the one or more system information blocks are grouped according to a feature of the one or more system information blocks, wherein further the feature is either one of a functionality of the one or more system information blocks and a periodicity of the one or more system information blocks;

transmitting (204) one or more system information block groups from the network node, wherein the one or more system information block groups comprise the at least one system information block group; and wherein receiving of the request comprises receiving a preamble for indicating the at least one system information block group.