

WHAT IS CLAIMED IS:

- 5 1. A method, comprising:
 performing, by a terminal device, downlink control channel monitoring
 according to a first time pattern;
 determining that data has been transmitted on downlink on a number of
 symbols;
10 based on the determination that the data is transmitted, suspending the
 performing of downlink control channel monitoring according to the first time pattern;
 and
 performing downlink control channel monitoring on at least a next symbol after
 transmission of the data.
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2. The method of claim 1, further comprising:
 performing downlink control channel monitoring according to a second time
 pattern at least for one next slot after the end of the transmission of the data.
- 20 3. The method of claim 1, wherein the terminal device has received configuration
 parameters for the downlink control channel monitoring according to the first and the
 second time pattern.
4. The method of claim 1, further comprising:
25 performing the downlink control channel monitoring on at least the next symbol
 after the transmission of the data based on at least one of a set of configuration
 parameters of the downlink control channel monitoring associated to at least one of the
 first time pattern and a second time pattern.
- 30 5. The method of claim 1, wherein the data is transmitted on physical downlink
 shared channel.

6. The method of claim 1, wherein the determination that the data is transmitted is based on at least one of detecting a downlink assignment intended for the terminal device on the downlink control channel, and detecting downlink control information intended for a group of terminal devices.

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7. The method of claim 1, further comprising:
determining, by the terminal device, that downlink transmission has ended; and
based on the determination that the downlink transmission has ended,
suspending the downlink control channel monitoring according to a second time
10 pattern.

8. The method of claim 1, further comprising:
determining, by the terminal device, that there is no downlink transmission
from a base station; and
15 based on the determination that there is no downlink transmission from the base
station, performing the downlink control channel monitoring according to the first time
pattern.

9. The method of claim 1, wherein the first time pattern has more than one
20 downlink control channel monitoring occasion per slot and a second time pattern
follows slot periodicity.

10. The method of claim 1, wherein the downlink control channel monitoring is
performed on an unlicensed band.

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11. An apparatus, comprising:
means for performing downlink control channel monitoring according to a first
time pattern;
means for determining that data has been transmitted on downlink on a number
30 of symbols;

based on the determination that the data is transmitted, means for suspending the performing of downlink control channel monitoring according to the first time pattern; and

means for performing downlink control channel monitoring on at least a next
5 symbol after transmission of the data.

12. The apparatus of claim 11, further comprising:

means for performing downlink control channel monitoring according to a second time pattern at least for one next slot after the end of the transmission of the data.

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13. The apparatus of claim 11, wherein the apparatus has received configuration parameters for the downlink control channel monitoring according to the first and the second time pattern.

15 14. The apparatus of claim 11, further comprising:

means for performing the downlink control channel monitoring on at least the next symbol after the transmission of the data based on at least one of a set of configuration parameters of the downlink control channel monitoring associated to at least one of the first time pattern and a second time pattern.

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15. The apparatus of claim 11, wherein the data is transmitted on physical downlink shared channel.

16. The apparatus of claim 11, wherein the determination that the data is transmitted
25 is based on at least one of detecting a downlink assignment intended for the terminal device on the downlink control channel, and detecting downlink control information intended for a group of terminal devices.

17. The apparatus of claim 11, further comprising:

30 means for determining that downlink transmission has ended; and

based on the determination that the downlink transmission has ended, means for suspending the downlink control channel monitoring according to a second time pattern.

- 5 18. A method, comprising:
- transmitting, by a base station, a first downlink assignment for at least one terminal device on a downlink control channel on a monitoring occasion of a first time pattern;
- transmitting data on a downlink shared channel associated to the first downlink
10 assignment;
- transmitting a second downlink assignment on a downlink control channel monitoring for the at least one terminal device on at least the next symbol after transmission of the data; and
- transmitting a third downlink assignment for at least one terminal device on a
15 downlink control channel on a monitoring occasion of a second time pattern;
- wherein the first time pattern has more than one downlink control channel monitoring occasion per slot and said second time pattern follows slot periodicity.
19. An apparatus, comprising:
- 20 means for transmitting a first downlink assignment for at least one terminal device on a downlink control channel on a monitoring occasion of a first time pattern;
- means for transmitting data on a downlink shared channel associated to the first downlink assignment;
- means for transmitting a second downlink assignment on a downlink control
25 channel monitoring for the at least one terminal device on at least the next symbol after transmission of the data; and
- means for transmitting a third downlink assignment for at least one terminal device on a downlink control channel on a monitoring occasion of a second time pattern;
- 30 wherein the first time pattern has more than one downlink control channel monitoring occasion per slot and said second time pattern follows slot periodicity.

20. A non-transitory computer readable medium encoded with instructions that, when executed by a computer, cause performance of a method according to any of claims 1-10 and 18.