

WHAT IS CLAIMED IS:

1. A slot format indication method, comprising:

in response to detecting that a target channel is in an idle state, sending slot format indication information to User Equipment (UE) through the target channel, the slot format indication information being configured to indicate uplink-downlink formats of N symbols comprised in a target partial slot, and N being a positive integer less than 14;

wherein the N symbols comprised in the target partial slot is/are located within a last slot in a time period during which a base station occupies the target channel, and the target channel is located on an unlicensed spectrum.

2. The method of claim 1, wherein

~~the target partial slot is a first slot in the time period during which the base station occupies the target channel; and~~

the slot format indication information is configured to indicate that the uplink-downlink formats of the N symbols comprised in the target partial slot are the same as uplink-downlink formats of last-first N symbols in 14 symbols comprised in a first-second full slot.

~~3. The method of claim 2, wherein the slot format indication information comprises first symbol quantity indication information and first full slot format indication information;~~

~~wherein the first symbol quantity indication information is configured to indicate the N, and the first full slot format indication information is configured to indicate the uplink-downlink formats of the 14 symbols comprised in the first full slot.~~

~~4. The method of claim 1, wherein the target partial slot is a last slot in the time period during which the base station occupies the target channel;~~

~~the slot format indication information is configured to indicate that the uplink-downlink formats of the N symbols comprised in the target partial slot are the same as~~

~~uplink-downlink formats of first N symbols in 14 symbols comprised in a second full slot.~~

53. The method of claim 42, wherein the slot format indication information comprises second symbol quantity indication information and second full slot format indication information;

wherein the second symbol quantity indication information is configured to indicate the N, and the second full slot format indication information is configured to indicate uplink-downlink formats of the 14 symbols comprised in the second full slot.

64. The method of claim 1, wherein the slot format indication information is configured to indicate that the uplink-downlink formats of the N symbols comprised in the target partial slot are the same as uplink-downlink formats of consecutive N symbols in 14 symbols comprised in a third full slot.

~~7. The method of claim 6, wherein the slot format indication information comprises third symbol quantity indication information, third full slot format indication information and first starting position indication information;~~

~~wherein the third symbol quantity indication information is configured to indicate the N, the third full slot format indication information is configured to indicate uplink-downlink formats of 14 symbols comprised in the third full slot, and the first starting position indication information is configured to indicate a position of a first symbol of the consecutive N symbols in the third full slot.~~

85. The method of claim 1, wherein the slot format indication information comprises a target format identifier; the uplink-downlink formats of the N symbols comprised in the target partial slot are uplink-downlink formats of N symbols comprised in a target uplink-downlink format sequence corresponding to the target format identifier in a slot format table;

wherein at least one corresponding relationship between a format identifier and an uplink-downlink format sequence is stored in the slot format table; the uplink-downlink format sequence comprises uplink-downlink formats of M symbols, M being a positive

integer in a target set of positive integers; the target set of positive integers comprises at least one positive integer less than 14, and the N exists in the target set of positive integers.

96. The method of claim 85, wherein the uplink-downlink formats of the M symbols comprised in the uplink-downlink format sequence are the same as uplink-downlink formats of consecutive M symbols in 14 symbols comprised in a fourth full slot.

107. The method of claim 85, wherein the uplink-downlink formats of the M symbols comprised in the uplink-downlink format sequence are different from uplink-downlink formats of any consecutive M symbols in any full slot.

118. The method of claim 107, wherein the target uplink-downlink format sequence is composed of uplink-downlink formats of R symbols, R being a positive integer greater than N and less than 14; the uplink-downlink formats of the N symbols comprised in the target partial slot are the same as the uplink-downlink formats of consecutive N symbols in the target uplink-downlink format sequence.

~~12. The method of claim 11, wherein the slot format indication information further comprises fourth symbol quantity indication information and second starting position indication information; the fourth symbol quantity indication information is configured to indicate the N, and the second starting position indication information is configured to indicate a position, in the R symbols, of a first symbol of the consecutive N symbols.~~

139. The method of ~~any one of claims 1 to 12~~ claim 1, wherein sending the slot format indication information to the UE through the target channel comprises:

sending Downlink Control Information (DCI) to the UE through the target channel, wherein the DCI carries the slot format indication information.

1410. A slot format indication method, comprising:

receiving slot format indication information that is sent by a base station through a target channel by a base station, the slot format indication information being configured to indicate uplink-downlink formats of N symbols comprised in a target partial slot, and N being a positive integer less than 14;

wherein the slot format indication information is sent by the base station in response to detecting that the target channel is in an idle state, the N symbols comprised in the target partial slot is are located within a last slot in a time period during which the base station occupies the target channel, and the target channel is on an unlicensed spectrum.

~~1511.~~ The method of claim ~~1410~~, wherein

~~the target partial slot is a first slot in the time period during which the base station occupies the target channel; and~~

the slot format indication information is configured to indicate that the uplink-downlink formats of the N symbols comprised in the target partial slot are the same as uplink-downlink formats of ~~last~~ first N symbols in 14 symbols comprised in a ~~first~~ second full slot.

~~16. The method of claim 15, wherein the slot format indication information comprises first symbol quantity indication information and first full slot format indication information;~~

~~wherein the first symbol quantity indication information is configured to indicate the N, and the first full slot format indication information is configured to indicate the uplink-downlink formats of the 14 symbols comprised in the first full slot.~~

~~17. The method of claim 14, wherein the target partial slot is a last slot in the time period during which the base station occupies the target channel;~~

~~the slot format indication information is configured to indicate that the uplink-downlink formats of the N symbols comprised in the target partial slot are the same as uplink-downlink formats of first N symbols in 14 symbols comprised in a second full slot.~~

~~1812.~~ The method of claim ~~1711~~, wherein the slot format indication information comprises

second symbol quantity indication information and second full slot format indication information;

wherein the second symbol quantity indication information is configured to indicate the N, and the second full slot format indication information is configured to indicate uplink-downlink formats of the 14 symbols comprised in the second full slot.

1913. The method of claim 1410, wherein the slot format indication information is configured to indicate that the uplink-downlink formats of the N symbols comprised in the target partial slot are the same as uplink-downlink formats of consecutive N symbols in 14 symbols comprised in a third full slot.

~~20. The method of claim 19, wherein the slot format indication information comprises third symbol quantity indication information, third full slot format indication information and first starting position indication information;~~

~~wherein the third symbol quantity indication information is configured to indicate the N, the third full slot format indication information is configured to indicate uplink-downlink formats of 14 symbols comprised in the third full slot, and the first starting position indication information is configured to indicate a position, in the third full slot, of a first symbol of the consecutive N symbols.~~

2114. The method of claim 1410, wherein the slot format indication information comprises a target format identifier; the uplink-downlink formats of the N symbols comprised in the target partial slot are uplink-downlink formats of N symbols comprised in a target uplink-downlink format sequence corresponding to the target format identifier in a slot format table;

wherein at least one corresponding relationship between a format identifier and an uplink-downlink format sequence is stored in the slot format table; the uplink-downlink format sequence comprises uplink-downlink formats of M symbols, M being a positive integer in a target set of positive integers; the target set of positive integers comprises at least one positive integer less than 14, and the N exists in the target set of positive integers.

~~22~~15. The method of claim ~~24~~14, wherein the uplink-downlink formats of the M symbols comprised in the uplink-downlink format sequence are the same as uplink-downlink formats of consecutive M symbols in 14 symbols comprised in a fourth full slot.

~~23~~16. The method of claim ~~24~~14, wherein the uplink-downlink formats of the M symbols comprised in the uplink-downlink format sequence are different from uplink-downlink formats of any consecutive M symbols in any full slot.

~~24~~17. The method of claim ~~23~~16, wherein the target uplink-downlink format sequence is composed of uplink-downlink formats of R symbols, R being a positive integer greater than N and less than 14; uplink-downlink formats of N symbols comprised in the target partial slot are the same as the uplink-downlink formats of consecutive N symbols in the target uplink-downlink format sequence.

~~25. The method of claim 24, wherein the slot format indication information further comprises fourth symbol quantity indication information and second starting position indication information; the fourth symbol quantity indication information is configured to indicate the N, and the second starting position indication information is configured to indicate a position, in the R symbols, of a first symbol of the consecutive N symbols.~~

~~26~~18. The method of ~~any one of claims 14 to 25~~claim 10, wherein receiving the slot format indication information that is sent by the base station through the target channel by the base station comprises:

receiving Downlink Control Information (DCI) sent by the base station through the target channel, wherein the DCI carries the slot format indication information.

~~27. A slot format indication apparatus, comprising:~~

~~a sending module, configured to, in response to detecting that a target channel is in an idle state, send slot format indication information to User Equipment (UE) through the~~

~~target channel, the slot format indication information being configured to indicate uplink-downlink formats of N symbols comprised in a target partial slot, and N being a positive integer less than 14;~~

~~wherein the target partial slot is located in a time period during which a base station occupies the target channel, and the target channel is located on an unlicensed spectrum.~~

~~28. A slot format indication apparatus, comprising:~~

~~a receiving module, configured to receive slot format indication information sent by a base station through a target channel, the slot format indication information being configured to indicate uplink-downlink formats of N symbols comprised in a target partial slot, and N being a positive integer less than 14;~~

~~wherein the slot format indication information is sent by the base station in response to detecting that the target channel is in an idle state, the target partial slot is in a time period during which the base station occupies the target channel, and the target channel is on an unlicensed spectrum.~~

~~29~~19. A base station, comprising:

a processor; and

a memory configured to store an instruction executable by the processor;

wherein the processor is configured to:

in response to detecting that a target channel is in an idle state, send slot format indication information to User Equipment (UE) through the target channel, the slot format indication information being configured to indicate uplink-downlink formats of N symbols comprised in a target partial slot, and N being a positive integer less than 14;

wherein the N symbols comprised in the target partial slot is~~are~~ located within a last slot in a time period during which a base station occupies the target channel, and the target channel is located on an unlicensed spectrum.

~~30~~20. User Equipment (UE), comprising:

a processor; and

a memory configured to store an instruction executable by the processor;

wherein the processor is configured to:

receive slot format indication information that is sent by a base station through a target channel by a base station, the slot format indication information being configured to indicate uplink-downlink formats of N symbols comprised in a target partial slot, and N being a positive integer less than 14;

wherein the slot format indication information is sent by the base station in response to detecting that the target channel is in an idle state, the N symbols comprised in the target partial slot ~~is~~ are located within a last slot in a time period during which the base station occupies the target channel, and the target channel is on an unlicensed spectrum.

~~31. A slot format indication system, comprising the slot format indication apparatus according to claim 27 and the slot format indication apparatus according to claim 28.~~

~~32. A computer readable storage medium, storing a computer program that, when executed by a processing component, implements the slot format indication method according to any one of claims 1 to 13 or the slot format indication method according to any one of claims 14 to 26.~~