CLAIMS

~~What is claimed is:~~

1. A method applied for a terminal for processing a sidelink process, comprising:

determining~~, by a terminal,~~ to perform media access control, MAC, reset on a radio resource control, RRC, connection of a sidelink; and

determining~~, by the terminal,~~ that a first sidelink process is unoccupied; ~~and/or releasing, by the terminal, an association relationship associated with the first sidelink process,~~ wherein

the first sidelink process is a sidelink process associated with the RRC connection.

2. The method according to claim 1, wherein

the determining~~, by a terminal,~~ to perform MAC reset on an RRC connection of a sidelink comprises: requesting, by an upper layer of a MAC layer of the terminal, to perform MAC reset on the RRC connection;

the determining~~, by the terminal,~~ that a first sidelink process is unoccupied comprises: determining, by a MAC entity of the terminal, that the first sidelink process is unoccupied~~; and~~

~~the releasing, by the terminal, an association relationship associated with the first sidelink process comprises: releasing, by the MAC entity of the terminal, the association relationship associated with the first sidelink process~~.

3. The method according to claim 2, wherein ~~before the requesting, by an upper layer of a MAC layer of the terminal, to perform MAC reset on the RRC connection,~~ the method further comprises:

requesting, by an upper layer of an RRC layer of the terminal, to release the RRC connection.

~~4. The method according to any one of claims 1 to 3, wherein the association relationship associated with the first sidelink process comprises: an association relationship between the first sidelink process and sidelink control information SCI, and/or an association relationship between the first sidelink process and one or more of a first source identifier, a first destination identifier, a sidelink process identifier, and a communication type.~~

~~5~~4. A method applied for a terminal for processing a sidelink process, comprising:

skipping sending or receiving~~, by a terminal,~~ sidelink data for a destination address; and

performing~~, by the terminal,~~ one or more of the following actions: determining~~, by the terminal,~~ that a second sidelink process is unoccupied; releasing~~, by the terminal,~~ an association relationship associated with the second sidelink process; and clearing~~, by the terminal,~~ a buffer of the second sidelink process, wherein

the second sidelink process is a sidelink process associated with the destination address.

~~6~~5. The method according to claim ~~5~~4, wherein the skipping sending or receiving~~, by a terminal,~~ sidelink data comprises:

stopping transmission corresponding to the destination address, or skipping sending or receiving~~, by the terminal,~~ the sidelink data corresponding to the destination address.

~~7~~6. The method according to claim ~~5~~ 4 or ~~6~~5, wherein the association relationship associated with the second sidelink process comprises: an association relationship between the second sidelink process and sidelink control information, SCI, ~~and/~~or an association relationship between the second sidelink process and one or more of a first source identifier, a first destination identifier, a sidelink process identifier, and a communication type.

~~8. A method for processing a sidelink process, comprising:~~

~~determining, by a terminal, to perform media access control MAC reset for a destination address; and~~

~~performing, by the terminal, one or more of the following actions: determining, by the terminal, that a second sidelink process is unoccupied; releasing, by the terminal, an association relationship associated with the second sidelink process; and clearing, by the terminal, a buffer of the second sidelink process, wherein~~

~~the second sidelink process is a sidelink process associated with the destination address.~~

~~9. The method according to claim 8, wherein before the determining, by a terminal, to perform MAC reset, the method further comprises:~~

~~skipping sending or receiving, by the terminal, sidelink data for the destination address.~~

~~10. The method according to claim 8 or 9, wherein the association relationship associated with the second sidelink process comprises: an association relationship between the second sidelink process and sidelink control information SCI, and/or an association relationship between the second sidelink process and one or more of a first source identifier, a first destination identifier, a sidelink process identifier, and a communication type.~~

~~11. A method for processing a sidelink process, comprising:~~

~~determining, by a terminal, that a resource configuration mode is a first resource configuration mode; and~~

~~determining, by the terminal, that a third sidelink process is unoccupied, and/or clearing a buffer of the third sidelink process, wherein~~

~~the third sidelink process is a sidelink process associated with a second resource configuration mode.~~

~~12. The method according to claim 11, wherein a resource corresponding to the first resource configuration mode comprises a configured sidelink grant resource and/or a dynamic sidelink grant resource, and before the determining, by the terminal, that a third sidelink process is unoccupied, and/or clearing a buffer of the third sidelink process, the method further comprises:~~

~~obtaining, by the terminal, the configured sidelink grant resource or the dynamic sidelink grant resource, and/or determining that a quantity of unoccupied sidelink processes is less than or equal to a first threshold.~~

~~13. The method according to claim 11, wherein a resource corresponding to the first resource configuration mode~~

~~comprises a selection sidelink resource, and before the determining, by the terminal, that a third sidelink process is unoccupied, and/or clearing a buffer of the third sidelink process, the method further comprises:~~

~~determining, by the terminal, the selection sidelink resource, and/or determining that a quantity of unoccupied sidelink processes is less than or equal to a first threshold.~~

~~14. The method according to any one of claims 11 to 13, wherein before the determining, by the terminal, that a third sidelink process is unoccupied, and/or clearing a buffer of the third sidelink process, the method further comprises:~~

~~determining, by the terminal, to perform media access control MAC reset for the second resource configuration mode.~~

~~15. A method for releasing a sidelink resource, comprising:~~

~~determining, by a terminal, that a resource configuration mode is a first resource configuration mode; and~~

~~releasing, by the terminal, a sidelink resource corresponding to a second resource configuration mode and/or a configuration corresponding to the sidelink resource corresponding to the second resource configuration mode.~~

~~16~~7. An apparatus for processing a sidelink process, comprising a processing unit, configured to:

determine to perform media access control, MAC, reset on a radio resource control, RRC, connection of a sidelink; and

determine that a first sidelink process is unoccupied; ~~and/or release an association relationship associated with the first sidelink process,~~ wherein

the first sidelink process is a sidelink process associated with the RRC connection.

~~17~~8. The apparatus according to claim ~~16~~7, wherein the processing unit is specifically configured to:

request, at an upper layer of a MAC layer, to perform MAC reset on the RRC connection;

determine, in a MAC entity, that the first sidelink process is unoccupied~~; and~~

~~release, in the MAC entity, the association relationship associated with the first sidelink process~~.

~~18~~9. The apparatus according to claim ~~17~~8, wherein the processing unit is further configured to:

request, at an upper layer of an RRC layer, to release the RRC connection.

~~19. The apparatus according to any one of claims 16 to 18, wherein the association relationship associated with the first sidelink process comprises: an association relationship between the first sidelink process and sidelink control information SCI, and/or an association relationship between the first sidelink process and one or more of a first source identifier, a first destination identifier, a sidelink process identifier, and a communication type.~~

~~20~~10. An apparatus for processing a sidelink process, comprising a processing unit, configured to:

skip sending or receiving sidelink data for a destination address; and

perform one or more of the following actions: determining that a second sidelink process is unoccupied; releasing

an association relationship associated with the second sidelink process; and clearing a buffer of the second sidelink process, wherein

the second sidelink process is a sidelink process associated with the destination address.

~~21~~11. The apparatus according to claim ~~20~~10, wherein skipping sending or receiving the sidelink data comprises: stopping transmission corresponding to the destination address, or skipping sending or receiving the sidelink data corresponding to the destination address.

~~22. The apparatus according to claim 20 or 21, wherein the association relationship associated with the second sidelink process comprises: an association relationship between the second sidelink process and sidelink control information SCI, and/or an association relationship between the second sidelink process and one or more of a first source identifier, a first destination identifier, a sidelink process identifier, and a communication type.~~

~~23. An apparatus for processing a sidelink process, comprising a processing unit, configured to:~~

~~determine to perform media access control MAC reset for a destination address; and~~

~~perform one or more of the following actions: determining that a second sidelink process is unoccupied; releasing an association relationship associated with the second sidelink process; and clearing a buffer of the second sidelink process, wherein~~

~~the second sidelink process is a sidelink process associated with the destination address.~~

~~24. The apparatus according to claim 23, wherein the processing unit is further configured to:~~

~~skip sending or receiving sidelink data for the destination address.~~

~~25. The apparatus according to claim 23 or 24, wherein the association relationship associated with the second sidelink process comprises: an association relationship between the second sidelink process and sidelink control information SCI, and/or an association relationship between the second sidelink process and one or more of a first source identifier, a first destination identifier, a sidelink process identifier, and a communication type.~~

~~26. An apparatus for processing a sidelink process, comprising a processing unit, configured to:~~

~~determine that a resource configuration mode is a first resource configuration mode; and~~

~~determine that a third sidelink process is unoccupied, and/or clear a buffer of the third sidelink process, wherein the third sidelink process is a sidelink process associated with a second resource configuration mode.~~

~~27. The apparatus according to claim 26, wherein a resource corresponding to the first resource configuration mode comprises a configured sidelink grant resource and/or a dynamic sidelink grant resource, and the processing unit is further configured to:~~

~~obtain the configured sidelink grant resource or the dynamic sidelink grant resource, and/or determine that a quantity of unoccupied sidelink processes is less than or equal to a first threshold.~~

~~28. The apparatus according to claim 26, wherein a resource corresponding to the first resource configuration mode comprises a selection sidelink resource, and the processing unit is further configured to:~~

~~determine the selection sidelink resource, and/or determine that a quantity of unoccupied sidelink processes is less than or equal to a first threshold.~~

~~29. The apparatus according to any one of claims 26 to 28, wherein the processing unit is further configured to:~~

~~determine to perform media access control MAC reset for the second resource configuration mode.~~

~~30. An apparatus for releasing a sidelink resource, comprising a processing unit, configured to:~~

~~determine that a resource configuration mode is a first resource configuration mode; and~~

~~release a sidelink resource corresponding to a second resource configuration mode and/or a configuration corresponding to the sidelink resource corresponding to the second resource configuration mode.~~

~~31. An apparatus for processing a sidelink process, comprising a processor, wherein~~

~~the processor is connected to a memory, the memory is configured to store computer-executable instructions, and the processor executes the computer-executable instructions stored in the memory, so that the apparatus implements the method according to any one of claims 1 to 4, the method according to any one of claims 5 to 7, the method according to any one of claims 8 to 10, or the method according to any one of claims 11 to 14.~~

~~32. An apparatus for releasing a sidelink resource, comprising a processor, wherein~~

~~the processor is connected to a memory, the memory is configured to store computer-executable instructions, and the processor executes the computer-executable instructions stored in the memory, so that the apparatus implements the method according to claim 15.~~

~~33~~12. A computer-readable storage medium, comprising computer-executable instructions, wherein when the computer-executable instructions are run on a computer, the computer is enabled to perform the method according to any one of claims 1 to ~~15~~6.

~~34~~13. A computer program product, comprising computer-executable instructions, wherein when the computer-executable instructions are run on a computer, the computer is enabled to perform the method according to any one of claims 1 to ~~15~~6.