

CLAIMS

1. A user equipment, comprising:
circuitry which, in operation, determines a Bandwidth Part (BWP) assigned for sidelink transmission and reception in a carrier; and
a transceiver which, in operation, performs the sidelink communication on the determined BWP in the carrier,
wherein dynamic BWP switching is not supported for the sidelink communication in the carrier.
2. The user equipment according to claim 1, wherein the BWP is used for the sidelink communication, and wherein another BWP is assigned for transmission between the user equipment and a base station in the carrier.
3. The user equipment according to claim 2, wherein the BWP and the other BWP are active in the carrier at the same time.
4. The user equipment according to claim 1, wherein an indication for the dynamic BWP switching is received via a downlink control information (DCI).
5. The user equipment according to claim 2, wherein a sidelink duration in a slot in the BWP is changed with a change of a slot format in the other BWP in a case of Time Division Duplexing (TDD).
6. The user equipment according to claim 2, wherein whether to transmit a first channel in a BWP or receive a second channel on another BWP in the same carrier is decided based on priorities of the first channel and the second channel.

7. The user equipment according to claim 1, wherein the BWP is configured by a BWP configuration signaling in which a bitmap indicating a time domain resource for the sidelink communication is included.

8. A wireless communication method, comprising:
determining a Bandwidth Part (BWP) assigned for sidelink communication in a carrier; and
performing the sidelink communication on the determined BWP in the carrier,
wherein dynamic BWP switching is not supported for the sidelink communication in the carrier.

9. The wireless communication method according to claim 8, wherein the BWP is used for the sidelink communication, and wherein another BWP is assigned for transmission between the user equipment and a base station in the carrier.

10. The wireless communication method according to claim 9, wherein the BWP and the other BWP are active in the carrier at the same time.

11. The wireless communication method according to claim 9, wherein an indication for the dynamic BWP switching is received via a downlink control information (DCI).

12. The wireless communication method according to claim 9, wherein a sidelink duration in a slot in the BWP is changed with a change of a slot format in the other BWP in a case of Time Division Duplexing (TDD).

13. The wireless communication method according to claim 9, wherein whether to transmit a first channel in a BWP or receive a second channel on another BWP in the same carrier is decided based on priorities of the first channel and the second channel.

14. The wireless communication method according to claim 8, wherein the BWP is configured by a BWP configuration signaling in which a bitmap indicating a time domain resource for the sidelink communication is included.

15. An integrated circuit IC, control the following processing:

determine a Bandwidth Part (BWP) assigned for sidelink communication in a carrier;

perform the sidelink transmission on the determined BWP in the carrier, and

perform the sidelink reception on the determined BWP in the carrier, wherein dynamic BWP switching is not supported for the sidelink communication in the carrier.

16. The IC according to claim 15, wherein the BWP is used for the sidelink communication, and wherein another BWP is assigned for transmission between the user equipment and a base station in the carrier.

17. The IC according to claim 16, wherein the BWP and the other BWP are active in the carrier at the same time.

18. The IC according to claim 15, wherein an indication for the dynamic BWP switching is received via a downlink control information (DCI).

19. The IC according to claim 16, wherein a sidelink duration in a slot in the BWP is changed with a change of a slot format in the other BWP in a case of Time Division Duplexing (TDD).

20. The IC according to claim 16, wherein whether to transmit a first channel in a BWP or receive a second channel on another BWP in the same carrier is decided based on priorities of the first channel and the second channel.

21. The IC according to claim 15, wherein the BWP is configured by a BWP configuration signaling in which a bitmap indicating a time domain resource for the sidelink communication is included.

22. A base station, comprising:

circuitry which, in operation, generates a Bandwidth Part (BWP) configuration signaling in which a bitmap indicating a time domain resource for sidelink communication is included; and

a transmitter which, in operation, transmits the BWP configuration signaling to a user equipment,

wherein a BWP assigned for the sidelink communication in a carrier is determined by the user equipment based on the BWP configuration signaling, and wherein

dynamic BWP switching is not supported for the sidelink communication in the carrier.

23. A wireless communication method for a base station, comprising:

generating a Bandwidth Part (BWP) configuration signaling in which a bitmap indicating a time domain resource for sidelink communication is included; and

transmitting the BWP configuration signaling to a user equipment,

wherein a BWP assigned for the sidelink communication in a carrier is determined by the user equipment based on the BWP configuration signaling, and wherein

dynamic BWP switching is not supported for the sidelink communication in the carrier.