

[5] Non-limiting and exemplary embodiments facilitate providing communication apparatuses and methods for congestion control of sidelink signal.

5 [5a] In an aspect, the present disclosure refers to a communication apparatus comprising:

circuitry, which in operation, determines a configuration from two or more configurations based on a value relating to Channel Busy Ratio (CBR); and
a transmitter, which in operation, transmits a sidelink positioning reference signal (SL-PRS) based on the determined configuration.

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[5b] In an aspect, the present disclosure refers to a communication method comprising:

determining a configuration from two or more configurations based on a value relating to Channel Busy Ratio (CBR); and
15 transmitting a sidelink positioning reference signal (SL-PRS) based on the determined configuration.

[5c] In an aspect, the present disclosure refers to an integrated circuit comprising:
determination circuitry, which in operation, controls determining a
20 configuration from two or more configurations based on a value relating to Channel Busy Ratio (CBR); and
transmission circuitry, which in operation, controls transmitting a sidelink positioning reference signal (SL-PRS) based on the determined configuration.

25 [6] According to a first example of the present disclosure, there is provided a communication apparatus comprising: circuitry, which in operation, determines a configuration from a set of two or more configurations; and a transmitter, which in operation, transmits a sidelink signal based on the determined configuration.

[7] According to a second example of the present disclosure, there is provided a base station comprising: circuitry, which in operation, determines a set of configurations from one or more sets of configurations, each of the one or more sets comprising two or more configurations; and a transmitter, which in operation, transmits a signaling indicating the determined set of configurations to the communication apparatus.

[8] According to a third example of the present disclosure, there is provided a communication method comprising: determining a configuration from a set of two or more configurations; and transmitting a sidelink signal based on the determined configuration.

[9] According to a fourth example of the present disclosure, there is provided a communication method comprising: determining a set of configurations from one or more sets of configurations, each of the one or more sets comprising two or more configurations; and transmitting a signaling indicating the determined set of configurations to the communication apparatus.

[10] It should be noted that general or specific embodiments may be implemented as a system, a method, an integrated circuit, a computer program, a storage medium, or any selective combination thereof.

[11] Additional benefits and advantages of the disclosed embodiments will become apparent from the specification and drawings. The benefits and/or advantages may be individually obtained by the various embodiments and features of the specification and drawings, which need not all be provided in order to obtain one or more of such benefits and/or advantages.

BRIEF DESCRIPTION OF THE DRAWINGS