

However, in the conventional art including the technique disclosed in Patent Literature 1 above, when data is transmitted or received by D2D communication without routing via a base station, no nodes on a network can know whether or not data is being transmitted or received and what data is transmitted or received, or the like.

5 Therefore, it may be difficult to manage such data transmission or reception.

[0006]

With the above in mind, it is desirable to provide a scheme of allowing management involved with wireless communication without routing via a base station.

10 Solution to Problem

[0007]

According to ~~the present disclosure~~ a first aspect of the present invention, there is provided an apparatus including: a generation unit configured to generate information related to data wirelessly transmitted or received without being routed via a base station;

15 and a control unit configured to control transmission of the information to a node which is not involved in the transmission or reception of the data.

[0008]

According to ~~the present disclosure~~ a second aspect of the present invention, there is provided a program for causing a processor to execute: generating information related to data wirelessly transmitted or received without being routed via a base station;

20 and controlling transmission of the information to a node which is not involved in the transmission or reception of the data.

[0009]

According to ~~the present disclosure~~ a third aspect of the present invention, there is provided a method including: generating information related to data wirelessly transmitted or received without being routed via a base station; and controlling transmission of the information to a node which is not involved in the transmission or reception of the data.

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30 Advantageous Effects of Invention

[0010]

As described above, according to embodiments of the present disclosure invention, management involved with wireless communication without routing via a base station can be performed. Note that the above advantageous effect is not strictly limiting, and that any advantageous effect indicated in the present disclosure or another
 5 advantageous effect that may be reasoned from the present disclosure may also be exhibited in addition to, or instead of, the above advantageous effect.

Brief Description of Drawings

[0011]

10 [FIG. 1] FIG. 1 is an illustrative diagram illustrating an example of a general configuration of a communication system 1 according to an embodiment of the present disclosure.

[FIG. 2] FIG. 2 is an illustrative diagram for describing a first specific example of a communication apparatus according to the embodiment.

15 [FIG. 3] FIG. 3 is an illustrative diagram for describing a second specific example of a communication apparatus according to the embodiment.

[FIG. 4] FIG. 4 is an illustrative diagram for describing a third specific example of a communication apparatus according to the embodiment.

20 [FIG. 5] FIG. 5 is an illustrative diagram for describing a fourth specific example of a communication apparatus according to the embodiment.

[FIG. 6] FIG. 6 is a block diagram illustrating an example of a configuration of the communication apparatus according to the embodiment.

[FIG. 7] FIG. 7 is an illustrative diagram for describing a first example of a transmission path for data-related information.

25 [FIG. 8] FIG. 8 is an illustrative diagram for describing a second example of a transmission path for data-related information.

[FIG. 9] FIG. 9 is a sequence diagram illustrating a first example of a general flow of an entire process according to the embodiment.

30 [FIG. 10] FIG. 10 is a sequence diagram illustrating a second example of a general flow of an entire process according to the embodiment.

[FIG. 11] FIG. 11 is a flowchart illustrating an example of a general flow of a first