

of a combination of the plurality of communication nodes and a plurality of frequency channel candidates, for example. However, this is what is called a NP-hard problem, and its solution is not calculated uniquely. Hence, full search for combinations of a plurality of communication nodes and a plurality of frequency channel candidates is forced to be performed. The number of the combinations increases in an exponential fashion according to the number of the communication nodes and the number of the frequency channel candidates, and therefore the calculation amount can become enormous.

[0008]

Thus, it is desirable to provide a scheme that improves the communication of a communication node that utilizes a radio resource (frequency channel) under an environment in which there is an interference from communication involving a communication node that is not control target, with less calculation amount.

Solution to Problem

[0009]

According to ~~the present disclosure~~ a first aspect of the present invention, there is provided a communication control device including: an acquisition unit configured to acquire first interference information indicating a first interference from communication involving a communication node that is not control target and second interference information indicating a second interference from communication involving another communication node of control target, with respect to each of a plurality of communication nodes of control target; and a classifying unit configured to classify the plurality of communication nodes into a plurality of groups related to a decision of a radio resource that a communication node is able to utilize, on the basis of the first interference information and the second interference information with respect to the plurality of communication nodes.

[0010]

According to ~~the present disclosure~~ a second aspect of the present invention, there is provided a communication control method including: acquiring first interference information indicating a first interference from communication involving a communication node that is not control

target and second interference information indicating a second interference from communication involving another communication node of control target, with respect to each of a plurality of communication nodes of control target; and classifying the plurality of communication nodes into a plurality of groups related to a decision of a radio resource that a communication node is able to utilize, on the basis of the first interference information and the second interference information with respect to the plurality of communication nodes.

[0011]

~~According to the present disclosure~~ a third aspect present invention, there is provided an information processing apparatus including: a memory that stores a predetermined program; and a processor configured to execute the predetermined program. The predetermined program is a program for executing acquiring first interference information indicating a first interference from communication involving a communication node that is not control target and second interference information indicating a second interference from communication involving another communication node of control target, with respect to each of a plurality of communication nodes of control target, and classifying the plurality of communication nodes into a plurality of groups related to a decision of a radio resource that a communication node is able to utilize, on the basis of the first interference information and the second interference information with respect to the plurality of communication nodes.

Advantageous Effects of Invention

[0012]

As described above, embodiments of the present disclosure improves communication of a communication node that utilizes a radio resource (frequency channel) under an environment in which there is an interference from communication involving a communication node that is not control target, with less calculation amount.

Brief Description of Drawings

[0013]

[FIG. 1] FIG. 1 is an explanatory diagram illustrating an example of a schematic