DESCRIPTION

Title of Invention

COMMUNICATION DEVICE AND COMMUNICATION METHOD

Technical Field

[0001] The present disclosure relates to a communication apparatus and a communication method.

Background Art

[0002] In the Institute of Electrical and Electronics Engineers (IEEE), studies have been carried out on the IEEE 802.11be standard (hereinafter, also referred to as "11be") for the next generation radio Local Area Network (LAN), which is the successor to the IEEE 802.11ax standard (hereinafter, also referred to as "11ax"). For example, the IEEE 802.11ax is also referred to as High Efficiency (HE), and the IEEE 802.11be is also referred to as Extremely High Throughput (EHT).

Citation List

Non-Patent Literature

[0003]

NPL 1

IEEE 802.11-20/1935r55, Compendium of straw polls and potential changes to the Specification Framework Document - Part 2

NPL 2

IEEE 802.11-20/1399r2, On Joint C-SR and C-OFDMA M-AP Transmission

Summary

[0004] However, in coordinated communication applied to radio communication such as wireless LAN, an amount of information to be fed back by one communication apparatus to another communication apparatus possibly increases.

[0005] A non-limiting example of the present disclosure facilitates providing a communication apparatus and a communication method each capable of reducing an amount of information to be fed back in coordinated communication.

[0006] In one aspect, the present disclosure refers to a communication apparatus, comprising: control circuitry, which, in operation, determines a measurement value by measuring signals received from a plurality of other communication apparatuses, and generates feedback information on switching of coordinated communication based on the measurement value; and transmission circuitry, which, in operation, transmits the feedback information.

[0006a] In another aspect, the present disclosure refers to a communication method, comprising: determining, by a communication apparatus, a measurement value by measuring signals received from a plurality of other communication apparatuses; generating, by the communication apparatus, feedback information on switching of coordinated communication based on the measurement value; and transmitting, by the communication apparatus, the feedback information.

[0007] It should be noted that general or specific example may be implemented as a system, an apparatus, a method, an integrated circuit, a computer program, a storage medium, or any selective combination thereof.

[0008] According to an example of the present disclosure, it is possible to reduce the amount of information to be fed back in coordinated communication.

[0009] Additional benefits and advantages of the disclosed example will become apparent from the specification and drawings. The benefits and/or advantages may be individually obtained by the various examples 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 Drawings

[0010] FIG. 1 illustrates exemplary differentiation between MAP coordination schemes;