IEEE 802.11-20/0967r0, Multi-user Triggered P2P Transmission

NPL 5

IEEE 802.11-19/1582r2, Coordinated AP Time/Frequency Sharing in a Transmit Opportunity in 11be

Summary

[0004] There is scope for further study, however, on a method of allocating a transmission opportunity in radio communication such as wireless LAN.

[0005] One non-limiting example of the present disclosure facilitates providing an access point, a terminal, and a communication method each capable of improving the allocation efficiency of a transmission opportunity in radio communication.

[0006] In one aspect, the present disclosure refers to an access point comprising: control circuitry, which, in operation, generates a control signal for allocating, for an uplink transmission performed by a plurality of terminals, at least some time of an obtained transmission opportunity; and transmission circuitry, which, in operation, transmits the control signal.

[0006a] In another aspect, the present disclosure refers to a terminal, comprising: reception circuitry, which, in operation, receives a control signal for allocating, for an uplink transmission performed by a plurality of terminals, at least some time of a transmission opportunity obtained by an access point; and control circuitry, which, in operation, controls the uplink transmission in the at least some time of the transmission opportunity, based on the control signal.

[0006b] In another aspect, the present disclosure refers to a communication method, comprising: generating, by an access point, a control signal for allocating, for an uplink transmission performed by a plurality of terminals, at least some time of an obtained transmission opportunity; and transmitting, by the access point, the control signal.

[0006c] In another aspect, the present disclosure refers to a communication method, comprising: receiving, by a terminal, a control signal for allocating, for an uplink transmission performed by a plurality of terminals, at least some time of a transmission opportunity obtained by an access point; and controlling, by the terminal, the uplink transmission in the at least some time of the transmission opportunity, based on the control signal.

[0007] It should be noted that general or specific examples 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 improve the allocation efficiency of a transmission opportunity in radio communication.

[0009] Additional benefits and advantages of the disclosed examples 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.