

performing transmission power control together with selection of an interleave pattern in order to eliminate interference between the users more effectively.

Citation List

5 Patent Literature

[0005]

Patent Literature 1: JP 2013-123158A

Disclosure of Invention

10 Technical Problem

[0006]

In the technical field related to IDMA, however, a further improvement in performance is desired. Hence, embodiments of the present invention provide a novel and improved communication control apparatus, radio communication
15 apparatus, communication control method, radio communication method, and program that are capable of contributing to improving a radio communication technology related to IDMA.

Solution to Problem

20 [0007]

According to a first aspect, there is provided a communication control apparatus including: a communication unit configured to communicate with a radio communication apparatus of a radio communication system using interleave division multiple access (IDMA); and a control unit configured to allocate an interleaver type
25 of an interleaver to be used for IDMA by the radio communication apparatus.

[0008]

According to a second aspect, there is provided a radio communication apparatus including: a radio communication unit configured to perform radio communication using IDMA with a base station; and a control unit configured to
30 control the radio communication unit to perform interleave processing

for IDMA by using an interleaver of an allocated interleaver type.

[0009]

According to a third aspect, there is provided a communication control method including: communicating with a radio communication apparatus of a radio communication system using interleave division multiple access (IDMA); and
5 allocating, by a processor, an interleaver type of an interleaver to be used for IDMA by the radio communication apparatus.

[0010]

According to a fourth aspect, there is provided a radio communication
10 method including: performing radio communication using IDMA with a base station; and performing control by a processor to perform interleave processing for IDMA by using an interleaver of an allocated interleaver type.

[0011]

According to a fifth aspect, there is provided a program causing a computer
15 to function as: a communication unit configured to communicate with a radio communication apparatus of a radio communication system using interleave division multiple access (IDMA); and a control unit configured to allocate an interleaver type of an interleaver to be used for IDMA by the radio communication apparatus.

[0012]

According to a sixth aspect, there is provided a program causing a computer
20 to function as: a radio communication unit configured to perform radio communication using IDMA with a base station; and a control unit configured to control the radio communication unit to perform interleave processing for IDMA by using an interleaver of an allocated interleaver type.

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Advantageous Effects of Invention

[0013]

According to embodiments of the present invention, it is possible to contribute to improving a radio communication technology related to IDMA.

30 Note that the effects described above are not necessarily limitative. With