EQUIPMENT SERVER, DEVICE SERVER, COMMUNICATION SYSTEM, AND STORAGE MEDIUM

[Abstract]

A communication system, an equipment server, a device server, and a data structure are provided with which an access control system of a facility and devices moving in the facility easily cooperate. An equipment server 10 of a communication system 1 includes a first communication unit 12 and an equipment control unit 13. The first communication unit 12 communicates messages in a common data format with plural device servers 11. The equipment control unit 13 controls the access control system 6, which is equipment in a building 2 and includes one or more passage restriction units 7, based on the message received by the first communication unit 12. The passage restriction units 7 are provided in the building 2 so as to be capable of restricting passage of plural devices 3. The device server 11 transmits the message to the equipment server 10 when the device 3 passes through a place where the passage restriction unit 7 is provided. The equipment control unit 13 determines whether or not the message is invalid based on the message received by the first communication unit 12. The equipment control unit 13 outputs a result of the determination to the access control system 6.

Fig. 1