ABSTRACT

An IoT system includes a communication device and an IoT device. The IoT device includes a secure element performing an encryption process for establishing a secure channel with the communication device. The communication device and the IoT device each store a list indicating first information and second information. The communication device acquires the list form the IoT device. The communication device transmits the first information to the IoT device when the mutual authentication is not performed and transmits the second information to the IoT device when the mutual authentication is performed. The IoT device acquires the list from the communication device. The IoT device transmits the first information to the communication device when the mutual authentication is not performed and transmits the second information to the communication device when the mutual authentication is performed.