

SYSTEM, DEVICE, AND METHOD FOR COMMUNICATION, APPARATUS AND
METHOD FOR PROCESSING INFORMATION, COMPUTER PROGRAM, AND
RECORDING MEDIUM

ABSTRACT OF THE DISCLOSURE

A communication system uniquely identifying a communication partner within a predetermined coverage area and transmitting and receiving information in a predetermined protocol, includes a device and an information processing apparatus with one performing wireless communication with the other within the predetermined coverage area. The device includes a random number generating unit, a device secret key storage unit, a communication ID transmitting unit, and a device transmitting and receiving unit. The information processing apparatus includes an apparatus encryption unit, an apparatus secret key storage unit, a communication ID storage unit, a random number acquisition unit and an apparatus transmitting and receiving unit.

Figure 1