

ABSTRACT

An area in which a transmitter is present is determined in a reduced time, and the area in which the transmitter is present is determined with an improved accuracy. An acquisition unit (21) is configured to acquire information on a reception strength at a receiver (30). A first estimation unit (22) is configured to estimate, based on a plurality of pieces of information on the reception strength acquired by the acquisition unit (21) in a first time period, a location of a transmitter (40). A first determination unit (24) is configured to determine, based on the location of the transmitter (40) estimated by the first estimation unit (22), an area in which the transmitter (40) is present. A second estimation unit (23) is configured to estimate, based on a plurality of pieces of information on the reception strength acquired in a second time period, the location of the transmitter (40). A second determination unit (25) is configured to determine, based on the location of the transmitter (40) estimated by the second estimation unit (23), the area in which the transmitter (40) is present. A correction unit (26) is configured to, when a determination result by the first determination unit (24) is different from a determination result by the second determination unit (25), correct the determination result by the first determination unit (24) to the determination result by the second determination unit (25).

(Fig. 3)