

POSITIONING SYSTEM, POSITIONING METHOD, AND POSITIONING
PROGRAM

ABSTRACT

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A relative angle acquisition unit (110) acquires a relative angle (31) between each base station and a communication device from each base station of a plurality of base stations. A provisional position calculation unit (120) calculates a position of the communication device as a provisional position (32), using the relative angle (31)

10 between each base station of the plurality of base stations and the communication device and a position of each base station. A weight calculation unit (130) calculates a distance between each base station and the communication device, using the position of each base station of the plurality of base stations and the provisional position, and calculates a weighting coefficient (33) for correcting the provisional position (32) for

15 each base station, based on the distance between each base station and the communication device. A device position calculation unit (140) calculates the position of the communication device as a device position (34), using the relative angle (31) between each base station of the plurality of base stations and the communication device, the position of each base station, and the weighting coefficient (33) for each

20 base station.

Fig. 2