

Abstract**POSITIONING APPARATUS, POSITIONING METHOD, AND POSITIONING
PROGRAM**

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A positioning apparatus (100) includes a temporary position computation unit (120), a two-dimensional position computation unit (140), a three-dimensional position computation unit (150), and a position aggregation unit (160), and executes three-dimensional positioning of a terminal using a relative angle formed by each base station and the terminal. The temporary position computation unit (120) computes a temporary position of the terminal based on observation data. The two-dimensional position computation unit (140) computes a two-dimensional position of the terminal based on the observation data and the temporary position. The three-dimensional position computation unit (150) computes a three-dimensional position of the terminal based on the observation data and the temporary position. The position aggregation unit (160) determines the position of the terminal by aggregating the two-dimensional position and the three-dimensional position.

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Figure 1