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### (54) ARRAY ANTENNA

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#### (57)**ABSTRACT**

This array antenna is an array antenna to be used for beam forming and includes: a plurality of antenna elements; a ground; a dielectric provided between the plurality of antenna elements and the ground, the dielectric having an electrical length, from the plurality of antenna elements to the ground, of not less than 0.03; and a shield structure provided at least between the plurality of antenna elements and configured to shield a radio wave radiated from each antenna element.

