

Title (en)

ANTENNA HAVING A WAVEGUIDE STRUCTURE AND METHOD OF ITS MANUFACTURE

Title (de)

ANTENNE MIT EINER WELLENLEITERSTRUKTUR UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

ANTENNE A STRUCTURE DE GUIDE D'ONDES ET PROCEDE DE FABRICATION

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Application

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Abstract (en)

An antenna having a waveguide structure and comprising a base of a thin flat metal; a radiation plate of a thin flat metal arranged in parallel with the base at a distance from the base; and a plurality of thin flat metal side walls secured to the base and radiation plate, and arranged in the space between the base and the radiation plate so as to form a plurality of waveguides connected to each other. The radiation plate and the side walls are joined by spot-welding at given intervals. The base and the side walls are preferably in the form of a single block made of a metallic material.
<IMAGE>

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