

Title (en)

MICROWAVE SLOT-TYPE DEVICE AND SLOT-TYPE ANTENNAS EMPLOYING A PHOTONIC BANDGAP STRUCTURE

Title (de)

SCHLITZANTENNE MIT PHOTONISCHEM BANDLÜCKENMATERIAL

Title (fr)

ANTENNES DU TYPE FENTE UTILISANT UNE STRUCTURE A BANDES INTERDITES PHOTONIQUES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2004034502A2] The invention relates to a method of producing a photonic bandgap structure on a slot-type microwave device which is produced on a metallised substrate. According to the invention, periodically-spaced patterns (4) are formed on the surface of the aforementioned substrate (1) opposite the surface comprising the slot (3). The invention is suitable for slot-type antennas.

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IPC 8 full level

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