

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.

IPC 8 full level

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Citation (examination)

JUNHO YEO ET AL: "Design of a wideband antenna package with a compact spatial notch filter for wireless applications", IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM. 2002 DIGEST. APS. SAN ANTONIO, TX, JUNE 16 - 21, 2002; [IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM], NEW YORK, NY : IEEE, US, vol. 2, 16 June 2002 (2002-06-16), pages 492 - 495, XP010591744, ISBN: 978-0-7803-7330-3

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