

Title (en)
SLOT ANTENNA AND METHOD FOR OPERATING THE SAME

Title (de)
SCHLITZANTENNE UND VERFAHREN ZU IHREM BETRIEB

Title (fr)
ANTENNE À FENTES ET SON PROCÉDÉ D'UTILISATION

Publication
EP 2245704 A1 20101103 (EN)

Application
EP 07870583 A 20071228

Priority
IT 2007000925 W 20071228

Abstract (en)
[origin: WO2009084050A1] A slot antenna having a single -ridge waveguide (13) with a top broadwall (12) and a plurality of radiant elements (5). The radiant elements are formed on the top broadwall (12) and are configured to radiate and receive circularly- polarized waves. Each radiant element (5) is formed by two slots (11) which are arranged at 90 to each other, are non-overlapping, extend on opposite sides with respect of the broadwall axis A and are spaced apart from each other by a mutual distance in the range of $\lambda/4 \pm 20\%$, wherein λ is a nominal guide wavelength.

IPC 8 full level
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Citation (search report)
See references of WO 2009084050A1

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