

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  $\lambda$  is a nominal guide wavelength.

IPC 8 full level  
**H01Q 21/00** (2006.01); **H01Q 13/10** (2006.01); **H01Q 21/24** (2006.01)

CPC (source: EP)  
**H01Q 13/10** (2013.01); **H01Q 21/005** (2013.01); **H01Q 21/24** (2013.01)

Citation (search report)  
See references of WO 2009084050A1

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DOCDB simple family (publication)  
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