

Title (en)  
Cross-slot microwave antenna.

Title (de)  
Kreuz-Schlitz-Mikrowellenantenne.

Title (fr)  
Antenne hyperfréquence à fentes croisées.

Publication  
**EP 0598580 A1 19940525 (EN)**

Application  
**EP 93309103 A 19931115**

Priority  
US 97659992 A 19921116

Abstract (en)  
A microwave antenna (20) comprises a stripline microwave element including an outer conductor (36) having a radiating face (22) and an oppositely disposed backing face (30), an inner linear conductor (28) lying parallel to the radiating face within the outer conductor (36), and a dielectric between the outer conductor (36) and the linear conductor (28). There is a pair of slots (24, 26) in the radiating face of the outer conductor (22), the pair of slots (24, 26) being oriented at 90 degrees to each other and being of unequal length. The inner linear conductor (28) is oriented such that it is not parallel to either of the slots (24, 26). A dielectric (33) resides between the outer conductor (36) and the inner linear conductor (28). <IMAGE>

IPC 1-7  
**H01Q 13/10**; **H01Q 21/00**

IPC 8 full level  
**H01Q 13/10** (2006.01); **H01Q 21/00** (2006.01); **H01Q 21/06** (2006.01)

CPC (source: EP KR)  
**H01Q 13/10** (2013.01 - KR); **H01Q 13/106** (2013.01 - EP); **H01Q 21/0075** (2013.01 - EP)

Citation (search report)

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Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**EP 0598580 A1 19940525**; AU 5065693 A 19940630; CA 2102479 A1 19940517; IL 107478 A0 19940731; JP H0722833 A 19950124; KR 940012703 A 19940624; NO 934093 D0 19931112; NO 934093 L 19940518

DOCDB simple family (application)  
**EP 93309103 A 19931115**; AU 5065693 A 19931112; CA 2102479 A 19931104; IL 10747893 A 19931103; JP 28696693 A 19931116; KR 930024186 A 19931115; NO 934093 A 19931112