

Title (en)
Active receiving antenna

Title (de)
Aktive Empfangsantenne

Title (fr)
Antenne réceptrice active

Publication
EP 0818848 A3 20000112 (DE)

Application
EP 97111125 A 19970703

Priority
DE 19628125 A 19960712

Abstract (en)
[origin: EP0818848A2] The slot antenna (1) is terminated at the rear by a hollow chamber filled with a dielectric. The antenna is connected via leads (L1,L2), which provide a phase correction, to a low noise preamplifier (LNA) which provides an output to the slotted structure. A defined phase angle for the received waves can be set up by using different lengths for the leads. The preamplifier and the leads are arranged inside the hollow chamber.

IPC 1-7
H01Q 23/00; **H01Q 13/10**; **H01Q 1/32**

IPC 8 full level
H01Q 1/32 (2006.01); **H01Q 13/10** (2006.01); **H01Q 13/18** (2006.01); **H01Q 23/00** (2006.01)

CPC (source: EP US)
H01Q 1/3275 (2013.01 - EP US); **H01Q 13/10** (2013.01 - EP US); **H01Q 23/00** (2013.01 - EP US)

Citation (search report)
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• [A] EP 0707357 A1 19960417 - WANG PIERRE [FR]
• [A] DE 3922165 A1 19910117 - TELEFUNKEN SYSTEMTECHNIK [DE]
• [YA] MOYER H P ET AL: "ACTIVE CAVITY-BACKED SLOT ANTENNA USING MESFET'S", IEEE MICROWAVE AND GUIDED WAVE LETTERS,US,IEEE INC, NEW YORK, vol. 3, no. 4, pages 95-97, XP000358562, ISSN: 1051-8207
• [A] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 01 28 February 1995 (1995-02-28)

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DOCDB simple family (publication)
EP 0818848 A2 19980114; **EP 0818848 A3 20000112**; **EP 0818848 B1 20040303**; DE 19628125 A1 19980115; DE 59711355 D1 20040408; US 5905471 A 19990518

DOCDB simple family (application)
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