

Title (en)
Flat antenna.

Title (de)
Ebene Antenne.

Title (fr)
Antenne plane.

Publication
EP 0426972 A1 19910515 (FR)

Application
EP 90117356 A 19900910

Priority
FR 8911829 A 19890911

Abstract (en)
The arrangement relates to an antenna comprising a passive resonator (1) coupled to a supply line (4) by a looped slot (3). The resonator (1) is covered with a protective non-conducting material (13). Application in particular to the space field. <IMAGE>

Abstract (fr)
L'arrangement concerne une antenne comprenant un résonateur passif (1) couplé à une ligne d'alimentation (4) par une fente bouclée (3). Le résonateur (1) est recouvert d'un matériau non conducteur protecteur (13). Application notamment au domaine spatial.

IPC 1-7
H01Q 9/04

IPC 8 full level
H01Q 21/06 (2006.01); **H01P 5/08** (2006.01); **H01P 5/10** (2006.01); **H01Q 9/04** (2006.01); **H01Q 13/08** (2006.01); **H01Q 13/16** (2006.01); **H01Q 21/24** (2006.01)

CPC (source: EP US)
H01Q 9/0414 (2013.01 - EP US); **H01Q 9/0457** (2013.01 - EP US)

Citation (search report)

- [Y] FR 2603744 A1 19880311 - MATSUSHITA ELECTRIC WORKS LTD [JP]
- [Y] US 4710775 A 19871201 - COE RICHARD J [US]
- [A] US 4208660 A 19800617 - MCOWEN SHERWOOD A JR [US]
- [A] EP 0271458 A2 19880615 - COMMUNICATIONS SATELLITE CORP [US]
- [A] US 4719470 A 19880112 - MUNSON ROBERT E [US]
- [A] EP 0207029 A2 19861230 - COMMUNICATIONS SATELLITE CORP [US]
- [A] EP 0315141 A1 19890510 - ALCATEL ESPACE [FR], et al
- [Y] PATENT ABSTRACTS OF JAPAN vol. 013, no. 232 (E - 765)<3580> 29 May 1989 (1989-05-29)
- [Y] L'ONDE ELECTRIQUE vol. 69, no. 2, mars/avril 1989, pages 15-21, Paris, FR; A. PAPIERNIK: "Les activités du Groupement de Recherche microantennes du CNRS"

Cited by
FR2833764A1; EP0871239A1; US6052087A; EP0518271A1; FR2677491A1; US5233364A; US7227507B2; WO03052872A1; EP1309035B1; TWI458177B; US8089409B2

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
FR 2651926 A1 19910315; FR 2651926 B1 19911213; CA 2024992 A1 19910312; CA 2024992 C 19940726; DE 69008116 D1 19940519; DE 69008116 T2 19940721; EP 0426972 A1 19910515; EP 0426972 B1 19940413; JP 2951707 B2 19990920; JP H03107203 A 19910507; US 5539420 A 19960723

DOCDB simple family (application)
FR 8911829 A 19890911; CA 2024992 A 19900910; DE 69008116 T 19900910; EP 90117356 A 19900910; JP 23977790 A 19900910; US 26873594 A 19940630