

Title (en)
Slot antenna

Title (de)
Schlitzantenne

Title (fr)
Antenne à fente

Publication
EP 1263084 A3 20041110 (DE)

Application
EP 02007611 A 20020404

Priority
DE 10126468 A 20010531

Abstract (en)
[origin: EP1263084A2] The device has a hollow feed conductor with at least one slot for radiating an electromagnetic wave and an arrangement enclosing the slot for rotating the polarization direction of the radiated electromagnetic wave with a rotatable rectangular hollow polarization conductor joined to the feed conductor at one opening and with an aperture at the other opening via which stimulated waves are radiated via the slot into the polarization conductor. The device has a hollow feed conductor (1) with at least one longitudinal slot (2) in one broad side for radiating an electromagnetic wave and an arrangement enclosing the slot on the outside with which the polarization direction of the radiated electromagnetic wave can be rotated. The arrangement has rotatable rectangular hollow polarization conductor (11) joined to the feed conductor at one opening and with an aperture at the other opening via which stimulated waves are radiated via the slot into the polarization conductor.

IPC 1-7
H01Q 13/10; **H01Q 13/02**; **H01Q 21/00**; **H01P 1/17**; **H01Q 13/22**

IPC 8 full level
H01P 1/17 (2006.01); **H01Q 13/10** (2006.01)

CPC (source: EP US)
H01Q 13/10 (2013.01 - EP US)

Citation (search report)

- [Y] GB 669463 A 19520402 - HONORARY ADVISORY COUNCIL SCI
- [Y] GB 582856 A 19461129 - JOHN BETTELEY BIRKS
- [A] GB 507473 A 19390614 - OTTO BORMANN

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1263084 A2 20021204; **EP 1263084 A3 20041110**; DE 10126468 A1 20030102; DE 10126468 B4 20070705; JP 2003037432 A 20030207; JP 4065722 B2 20080326; US 2002190910 A1 20021219; US 6657599 B2 20031202

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EP 02007611 A 20020404; DE 10126468 A 20010531; JP 2002147445 A 20020522; US 15666102 A 20020529