

Title (en)
Waveguide slot antenna.

Title (de)
Hohlleiterschlitzenantenne.

Title (fr)
Antenne guide d'ondes à fente.

Publication
EP 0501224 B1 19950524 (DE)

Application
EP 92102301 A 19920212

Priority
DE 4105764 A 19910223

Abstract (en)
[origin: EP0501224A1] A waveguide slot antenna having a plurality of waveguide emitters (15) which are operated in a non-resonant manner and each have two rows of slots (16) on the broad side, which are supplied by a supply waveguide (10) which is operated in a non-resonant manner. The phase shift which results because of the non-resonant dimensioning is compensated for by offsetting (20) the slots of adjacent waveguide emitters in a specific manner such that the antenna polar diagram has no squint angle in the azimuth direction. <IMAGE>

IPC 1-7
H01Q 21/00; **H01Q 21/06**

IPC 8 full level
H01Q 13/22 (2006.01); **H01Q 21/00** (2006.01); **H01Q 21/06** (2006.01)

CPC (source: EP)
H01Q 21/005 (2013.01); **H01Q 21/064** (2013.01)

Cited by
US10263331B2; US11450955B2

Designated contracting state (EPC)
AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0501224 A1 19920902; **EP 0501224 B1 19950524**; AT E123179 T1 19950615; CA 2061627 A1 19920824; DE 4105764 A1 19920827; DE 59202281 D1 19950629; ES 2075491 T3 19951001; FI 920757 A0 19920221; FI 920757 A 19920824; JP 2569244 B2 19970108; JP H0563436 A 19930312

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EP 92102301 A 19920212; AT 92102301 T 19920212; CA 2061627 A 19920221; DE 4105764 A 19910223; DE 59202281 T 19920212; ES 92102301 T 19920212; FI 920757 A 19920221; JP 3077792 A 19920218