

Title (en)
Slot antenna

Title (de)
Schlitzstrahlerelement

Title (fr)
Antenne à fente

Publication
EP 1263086 B1 20051228 (DE)

Application
EP 02007598 A 20020404

Priority
DE 10126469 A 20010531

Abstract (en)
[origin: EP1263086A2] The device has at least one longitudinal slot (2) in the middle of a broad side (4), a longitudinal rectangular bridge (3) in the middle of the opposite side (9), a coupling arrangement (5) near the slot, especially a pin, that stimulates the slot to radiate electromagnetic energy and a mismatch compensation arrangement (6) on the bridge surface facing the slot forming a stepped recess in the bridge near the slot.

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

IPC 8 full level
H01Q 13/10 (2006.01); **H01Q 13/22** (2006.01); **H01Q 21/00** (2006.01)

CPC (source: EP US)
H01Q 13/10 (2013.01 - EP US); **H01Q 13/22** (2013.01 - EP US); **H01Q 21/0043** (2013.01 - EP US)

Cited by
DE102006057144A1; DE102006057144B4; CN109802240A; US8493275B2; WO2011154372A1

Designated contracting state (EPC)
DE FR GB IT NL SE

DOCDB simple family (publication)
EP 1263086 A2 20021204; **EP 1263086 A3 20050119**; **EP 1263086 B1 20051228**; DE 10126469 A1 20021212; DE 50205399 D1 20060202; JP 2003032027 A 20030131; JP 3995980 B2 20071024; US 2003001789 A1 20030102; US 6954183 B2 20051011

DOCDB simple family (application)
EP 02007598 A 20020404; DE 10126469 A 20010531; DE 50205399 T 20020404; JP 2002142958 A 20020517; US 15818902 A 20020531