

Title (en)

Microstrip antenna device especially for satellite telephone transmissions

Title (de)

Mikrostreifenleiterantenne, insbesondere für Fernsprechübertragungen von Satelliten

Title (fr)

Dispositif d'antenne microruban perfectionné, notamment pour transmissions téléphoniques par satellite

Publication

EP 0542595 B1 19991201 (FR)

Application

EP 92402921 A 19921027

Priority

FR 9113984 A 19911114

Abstract (en)

[origin: EP0542595A1] An antenna comprises a first dielectric layer (D1) including on one side an earth-plane (PM1), and on the other a first conductive slab (P1) of chosen shape. A second dielectric layer (D2) surmounts the first on the first slab side, and supports, on the other side, facing the first slab, a second conductive slab (P2) of chosen shape. A third dielectric layer (DR) surmounts the second. The second slab (P2) is of smaller size than that of the first slab (P1), and this first slab (P1) is fed from the bottom, at at least one chosen point (FR1) situated between its centre and its periphery. Advantageously, the first slab (P1) is connected to a run-through (TR1) of the first-plane joining up with a feed circuit (DL1, DL2) implanted in the dielectric substrate of three-plate structure (SDH, SDB). <IMAGE>

IPC 1-7

H01Q 9/04

IPC 8 full level

H01Q 3/30 (2006.01); **H01Q 1/38** (2006.01); **H01Q 5/00** (2015.01); **H01Q 5/10** (2015.01); **H01Q 5/42** (2015.01); **H01Q 9/04** (2006.01); **H01Q 13/08** (2006.01); **H01Q 21/06** (2006.01)

CPC (source: EP US)

H01Q 1/38 (2013.01 - EP US); **H01Q 9/0414** (2013.01 - EP US); **H01Q 9/0435** (2013.01 - EP US); **H01Q 21/065** (2013.01 - EP US)

Cited by

CN109565112A; EP1783865A1; EP0823749A1; US5815119A; WO02067376A1; WO0207332A3; US6911939B2; US6462710B1

Designated contracting state (EPC)

AT BE CH DE DK ES GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0542595 A1 19930519; **EP 0542595 B1 19991201**; AT E187280 T1 19991215; CA 2082580 A1 19930515; CA 2082580 C 20020402; DE 69230365 D1 20000105; DE 69230365 T2 20000323; DK 0542595 T3 20000327; ES 2140405 T3 20000301; FR 2683952 A1 19930521; FR 2683952 B1 19940422; GR 3032025 T3 20000331; JP 2868197 B2 19990310; JP H0629724 A 19940204; PT 542595 E 20000428; RU 2117366 C1 19980810; US 5995047 A 19991130

DOCDB simple family (application)

EP 92402921 A 19921027; AT 92402921 T 19921027; CA 2082580 A 19921110; DE 69230365 T 19921027; DK 92402921 T 19921027; ES 92402921 T 19921027; FR 9113984 A 19911114; GR 990402964 T 19991202; JP 32230492 A 19921109; PT 92402921 T 19921027; RU 92004412 A 19921113; US 80488197 A 19970224