

Title (en)
Dielectric resonator antenna

Title (de)
Dielektrische Resonatorantenne

Title (fr)
Antenne résonateur diélectrique

Publication
EP 1014489 B1 20031112 (DE)

Application
EP 99204261 A 19991209

Priority
DE 19858799 A 19981218

Abstract (en)
[origin: EP1014489A2] An electrically-conductive layer is provided in at least one curved surface (11) of the antenna. This is a surface into which the tangential field of a fundamental mode of the dielectric resonator antenna (9) vanishes. Independent claims are included for a mobile radio equipment, a receiver and a transmitter.

IPC 1-7
H01Q 9/04; **H01Q 1/24**; **H01Q 13/24**

IPC 8 full level
H01P 7/10 (2006.01); **H01Q 1/24** (2006.01); **H01Q 1/40** (2006.01); **H01Q 9/04** (2006.01); **H01Q 13/00** (2006.01); **H01Q 13/24** (2006.01)

CPC (source: EP KR US)
H01Q 1/24 (2013.01 - KR); **H01Q 1/242** (2013.01 - EP US); **H01Q 9/0485** (2013.01 - EP US); **H01Q 13/24** (2013.01 - KR)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 19858799 A1 20000621; CN 1126194 C 20031029; CN 1259777 A 20000712; DE 59907706 D1 20031218; EP 1014489 A2 20000628; EP 1014489 A3 20020116; EP 1014489 B1 20031112; JP 2000209019 A 20000728; KR 100710729 B1 20070424; KR 20000048184 A 20000725; TW 456070 B 20010921; US 6373441 B1 20020416

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DE 19858799 A 19981218; CN 99116000 A 19991214; DE 59907706 T 19991209; EP 99204261 A 19991209; JP 35994699 A 19991217; KR 19990058242 A 19991216; TW 88123326 A 19991230; US 45962699 A 19991213