

Title (en)
Dielectric resonator antenna

Title (de)
Dielektrische Resonatorantenne

Title (fr)
Antenne diélectrique de résonateur

Publication
EP 1018780 B1 20020925 (DE)

Application
EP 99204260 A 19991209

Priority
DE 19858790 A 19981218

Abstract (en)
[origin: DE19858790A1] The dielectric resonator antenna (8) is a rectangular block of ceramic dielectric and is one quarter of the size of ordinary resonators (1) because it has metallized walls in the position of the electric field symmetry planes (4,5) so that the same resonance frequency is obtained in only one quarter of the block.

IPC 1-7
H01Q 9/04

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 9/0485** (2013.01 - EP US); **H01Q 13/24** (2013.01 - EP KR US)

Designated contracting state (EPC)
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DOCDB simple family (publication)
DE 19858790 A1 20000621; CN 1197199 C 20050413; CN 1261730 A 20000802; DE 59902831 D1 20021031; EP 1018780 A1 20000712; EP 1018780 B1 20020925; JP 2000209020 A 20000728; KR 100710726 B1 20070424; KR 20000048232 A 20000725; TW 439326 B 20010607; US 6323808 B1 20011127

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DE 19858790 A 19981218; CN 99120482 A 19991214; DE 59902831 T 19991209; EP 99204260 A 19991209; JP 35994799 A 19991217; KR 19990058897 A 19991218; TW 88123164 A 19991229; US 45963099 A 19991213