

Title (en)
Multi-layered antenna arrangement

Title (de)
Mehrlagige Antennenanordnung

Title (fr)
Agencement d'antenne à couches multiples

Publication
EP 1006608 B1 20040519 (DE)

Application
EP 99123247 A 19991129

Priority
DE 19855115 A 19981130

Abstract (en)
[origin: EP1006608A2] The arrangement has at least one patch element (12) in a first conductive coating with associated first and second stimulation elements in second and third conductive coatings. The stimulation elements contain mutually orthogonal supply lines (15), each aligned towards its associated patch element and electromagnetically coupled to it. The first conductive coating has a matrix of apertures at least in the first patch element and aligned with the supply line directions.

IPC 1-7
H01Q 9/04; **H01Q 21/00**; **H01Q 21/06**

IPC 8 full level
H01Q 9/04 (2006.01); **H01Q 21/00** (2006.01); **H01Q 21/06** (2006.01)

CPC (source: EP)
H01Q 9/0428 (2013.01); **H01Q 21/0087** (2013.01); **H01Q 21/065** (2013.01)

Cited by
EP1160917A1; DE102005010895A1; DE102005010895B4; US7471248B2; US7327317B2; US7589676B2; WO2005008833A1; WO2012110366A1; US9640870B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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