

Title (en)
Planar antenna array with improved directivity

Title (de)
Planarantenne mit verbesserter Richtcharakteristik

Title (fr)
Antenne plate à directivité améliorée

Publication
EP 1202387 B1 20040825 (DE)

Application
EP 01124351 A 20011023

Priority
DE 10052748 A 20001025

Abstract (en)
[origin: EP1202387A2] The device has a number of antenna elements arranged at row and column intersections and mirror symmetrically to form an orthogonal matrix. The central column(s) has a certain number of antenna elements and the outer columns have fewer and the number of elements per column is not greater than the number in the columns closer to the line of symmetry.

IPC 1-7
H01Q 21/06; **H01Q 21/00**; **H01Q 21/22**

IPC 8 full level
H01Q 21/00 (2006.01); **H01Q 21/06** (2006.01); **H01Q 21/22** (2006.01)

CPC (source: EP)
H01Q 21/0006 (2013.01); **H01Q 21/0087** (2013.01); **H01Q 21/065** (2013.01); **H01Q 21/22** (2013.01)

Cited by
DE102008008387A1; US10931032B2; WO2020028363A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 1202387 A2 20020502; **EP 1202387 A3 20030507**; **EP 1202387 B1 20040825**; AT E274756 T1 20040915; DE 10052748 A1 20020529; DE 50103383 D1 20040930

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