

Title (en)
Versatile array antenna

Title (de)
Vielseitige Gruppenantenne

Title (fr)
Antenne-réseau polyvalente

Publication
EP 0831550 B1 20040225 (FR)

Application
EP 97402152 A 19970917

Priority
FR 9611439 A 19960919

Abstract (en)
[origin: EP0831550A1] The antenna element consists of a microstrip section (SU) mounted at right angles to a support (PM), leaving a gap (PT) between the microstrip section and the edge of the support. The microstrip has a metallised outer section (M1,M2) with a central free area (E1,E2) forming a notch on each side. The notch starts from the free microstrip edge (BC). The notch has a wide section narrowing to a second narrower section. The notch dimensions provide a fixed phase centre in a narrow band of around 10% of desired centre frequency.

IPC 1-7
H01Q 13/08; **H01Q 21/06**

IPC 8 full level
H01Q 13/08 (2006.01); **H01Q 21/06** (2006.01)

CPC (source: EP)
H01Q 13/085 (2013.01); **H01Q 21/064** (2013.01)

Cited by
JP2008510425A; AU2006318825B2; EP3528340A1; US7642979B2; US7683847B2; WO2007060477A3

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

DOCDB simple family (publication)
EP 0831550 A1 19980325; **EP 0831550 B1 20040225**; AT E260515 T1 20040315; DE 69727748 D1 20040401; DE 69727748 T2 20050105; FR 2753568 A1 19980320; FR 2753568 B1 19981113

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