Title (en)
    Loaded antenna

Title (de)
    Antenne mit Last

Title (fr)
    Antenne à charge

Publication
    EP 1732162 A1 20061213 (EN)

Application
    EP 06018550 A 20011016

Priority
    EP 01274550 A 20011016

Abstract (en)
    A novel loaded antenna is defined in the present invention. The radiating element of the loaded antenna consists of two different parts: a conducting
    surface and a loading structure. By means of this configuration, the antenna provides a small and multiband performance, and hence it features a
    similar behaviour through different frequency bands.

IPC 8 full level
    H01Q 1/24 (2006.01); **H01Q 1/36** (2006.01); **H01Q 1/38** (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/371** (2015.01)

CPC (source: EP)
    H01Q 1/243 (2013.01); **H01Q 1/36** (2013.01); **H01Q 1/38** (2013.01); **H01Q 5/371** (2015.01)

Citation (applicant)
    • US 2001002823 A1 20010607 - YING ZHINONG [SE]
    • WO 0122528 A1 20010329 - FRACTUS SA [ES], et al
    • WO 0154225 A1 20010726 - FRACTUS SA [ES], et al
    • US 3967276 A 19760629 - GOUBAU GEORGE E J
    • US 5847682 A 19981208 - KE SHYH-YEONG [TW]
    • WO 0000411 A1 20000106 - WEINSTEIN ROBERT E [US], et al
    • A.G.KANDOIAN: "Three new antenna types and their applications", PROC. IRE, vol. 34, February 1946 (1946-02-01), pages 70W - 75W
    • W.DOU; W.Y.M.CHIA: "Small broadband stacked planar monopole", MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol. 27, November
      2000 (2000-11-01), pages 288 - 289

Citation (search report)
    • [DX] WO 0122528 A1 20010329 - FRACTUS SA [ES], et al
    • [X] WO 9706578 A1 19970220 - FRACTAL ANTENNA SYSTEMS INC [US], et al
    • [DA] WO 0154225 A1 20010726 - FRACTUS SA [ES], et al
    • [A] SONG C T P ET AL: "Multi-circular loop monopole antenna", ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 36, no. 5, 2 March 2000
      (2000-03-02), pages 391 - 393, XP006014920, ISSN: 0013-5194

Cited by
    US10305191B2; WO2016042061A1; EP2760078B1

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

Designated extension state (EPC)
    AL LT LV MK RO SI

DOCDB simple family (publication)
    EP 1732162 A1 20061213; EP 2264829 A1 20101222; ES 2288161 T3 20080101

DOCDB simple family (application)
    EP 06018550 A 20011016; EP 10180806 A 20011016; ES 01274550 T 20011016