

Title (en)

Monopole antenna with expanded bandwidth, and mobile communication terminal having the same

Title (de)

Monopolantenne mit erweiterter Bandbreite und tragbares Kommunikationsendgerät mit derselben

Title (fr)

Antenne monopole avec la bande passante élargie, et terminaux mobiles de communication ayant la même

Publication

EP 1885021 A1 20080206 (EN)

Application

EP 06126716 A 20061220

Priority

KR 20060070262 A 20060726

Abstract (en)

A monopole antenna is provided, including: a radiating unit (10) for radiating electromagnetic waves; a ground (30) connected to one side of the radiating unit; and a radiation inducing unit (20) formed along a first side of the ground that faces the radiating unit, and connected to the ground. Accordingly, various services can be provided through one antenna by expanding the operating frequency bandwidth.

IPC 8 full level

H01Q 1/24 (2006.01); **H01Q 9/30** (2006.01)

CPC (source: EP KR)

H01Q 1/085 (2013.01 - KR); **H01Q 1/244** (2013.01 - EP KR); **H01Q 9/30** (2013.01 - EP KR); **H01Q 9/40** (2013.01 - KR)

Citation (search report)

- [X] EP 1482646 A2 20041201 - SAMSUNG ELECTRONICS CO LTD [KR]
- [X] WO 2006073637 A2 20060713 - MOTOROLA INC [US], et al
- [A] WO 2004057701 A1 20040708 - FRACTUS SA [ES], et al
- [A] WO 9820577 A2 19980514 - ERICSSON TELEFON AB L M [SE]
- [A] EP 0523867 A2 19930120 - TECHNPHONE LTD [GB]

Designated contracting state (EPC)

DE FR GB

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1885021 A1 20080206; **EP 1885021 B1 20120530**; KR 100842081 B1 20080630; KR 20080010152 A 20080130

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