

Title (en)

Planar antenna with a ground plane whose dimensions can be modified

Title (de)

Planarantenne mit modifizierbaren Masseflächendimensionen

Title (fr)

Antenne planaire dont les dimensions du plan de masse sont modifiables

Publication

**EP 1701406 B1 20100728 (FR)**

Application

**EP 06290353 A 20060302**

Priority

FR 0502102 A 20050302

Abstract (en)

[origin: EP1701406A1] The antenna has ground planes (11a, 11b) and a radiation surface (12) extending parallel to the ground planes. A part of the ground planes extends to the right of the radiation surface and forms a ground reference for the radiation surface. A switchable junction (15) modifies the dimensions of the ground plane part. A control port of the junction disconnects one ground plane from another ground plane. Independent claims are also included for the following: (1) a mobile telephone terminal including an antenna (2) a method for controlling an antenna.

IPC 8 full level

**H01Q 1/24** (2006.01); **H01Q 9/04** (2006.01)

CPC (source: EP)

**H01Q 1/243** (2013.01); **H01Q 1/48** (2013.01); **H01Q 9/0421** (2013.01)

Citation (examination)

- US 2003193437 A1 20031016 - KANGASVIERI TOMI [FI], et al
- EP 1790034 A

Cited by

CN105322289A; EP2518822A4; EP2581982A1; US9257738B2; US9007274B2; WO2009000815A1; WO2010029306A1; US8493272B2; US8502739B2; KR101390434B1

Designated contracting state (EPC)

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**EP 1701406 A1 20060913; EP 1701406 B1 20100728**; DE 602006015732 D1 20100909; ES 2349108 T3 20101228; FR 2882854 A1 20060908; FR 2882854 B1 20070511

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