

Title (en)

Short-circuit microstrip antenna and dual-band transmission device including that antenna

Title (de)

Kurzgeschlossene Streifenleiterantenne und Zweiband-Übertragungsanordnung damit

Title (fr)

Antenne à couche conductrice et dispositif de transmission bi-bande incluant cette antenne.

Publication

EP 1172885 B1 20080326 (FR)

Application

EP 01401598 A 20010618

Priority

FR 0008964 A 20000710

Abstract (en)

[origin: US6496148B2] The antenna of said transmitter is a microstrip antenna. A rear edge of its patch is provided with a short circuit by means of which a quarter-wave primary resonance can be excited by a coplanar line formed by two coupling slots in an area. Separator slots separate said area from another area in which a secondary resonance can be established at twice the frequency of the primary resonance from a slotted line extending one slot of the coplanar line. The invention applies in particular to the production of a dual-mode mobile telephone to the GSM and DCS standards.

IPC 8 full level

H01Q 1/24 (2006.01); **H01Q 13/08** (2006.01); **H01Q 1/38** (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/10** (2015.01); **H01Q 5/371** (2015.01); **H01Q 9/04** (2006.01)

CPC (source: EP US)

H01Q 1/243 (2013.01 - EP US); **H01Q 5/371** (2013.01 - EP US); **H01Q 9/0421** (2013.01 - EP US); **H01Q 9/045** (2013.01 - EP US)

Cited by

EP1920500A4; EP1814193A1; FR2826185A1; WO2007024439A1; US6980173B2; US7518567B2; US7369089B2; US6950071B2; WO2004049501A1; WO2004054034A1; WO2009142983A1; WO02103843A1; US6891506B2; US7183984B2; US8232924B2; US7023387B2; US7256741B2; US7148846B2; US7400300B2; US8018386B2; US7224312B2; US7283097B2; US7466271B2; US7916087B2; US8207896B2; US8531336B2; US8878731B2; US9397398B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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