

Title (en)

Compact patch antenna with a matching circuit

Title (de)

Kompakte Streifenleiterantenne mit einer Anpassungsanordnung

Title (fr)

Antenne pastille compacte avec un moyen d'adaptation

Publication

EP 1376758 B1 20050928 (FR)

Application

EP 03291382 A 20030611

Priority

FR 0207676 A 20020617

Abstract (en)

[origin: EP1376758A1] The patch antenna has a dielectric substrate (2) having a hollow (5) in the first face, a conductor earth plate (3) and a patch radiating element (4). There is an adaptation unit between the radiating element and the internal conductor (71). There is an external excitation conductor (72) fixed to the earth plate. The adaptation unit is supported by a wall (51) of the substrate hollow.

IPC 1-7

H01Q 9/04

IPC 8 full level

H01Q 9/04 (2006.01)

CPC (source: EP)

H01Q 9/0407 (2013.01); **H01Q 9/0442** (2013.01); **H01Q 9/045** (2013.01); **H01Q 9/0457** (2013.01)

Cited by

KR101011310B1; DE102011117690B3; WO2007144104A1; US7741999B2; US9647328B2

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

EP 1376758 A1 20040102; **EP 1376758 B1 20050928**; DE 60301699 D1 20051103; DE 60301699 T2 20060622; FR 2841046 A1 20031219; FR 2841046 B1 20060616

DOCDB simple family (application)

EP 03291382 A 20030611; DE 60301699 T 20030611; FR 0207676 A 20020617