

Title (en)

Plane antenna with interposed short-circuited elements

Title (de)

Ebene Antenne mit kurzgeschlossenen übereinanderliegenden Elementen

Title (fr)

Antenne plane à éléments superposés court-circuités

Publication

EP 0825673 B1 20101215 (FR)

Application

EP 97460030 A 19970814

Priority

FR 9610459 A 19960821

Abstract (en)

[origin: EP0825673A1] The antenna has a first conductor element or patch (2) which is parallel to an earth plane (1). A first dielectric substrate separates the first conductor element from the earth plane. A feed is also provided. At least one other conducting element (3), preferably identical to the first, is superimposed on the first conducting element and also lies parallel to the earth plane. A second dielectric substrate separates the first and second conducting elements. At least one short circuit connection (8) connects together the first and second conductor elements. The conductor elements may both have a slot cut into them.

IPC 8 full level

H01Q 9/04 (2006.01)

CPC (source: EP US)

H01Q 9/0414 (2013.01 - EP US); **H01Q 9/0421** (2013.01 - EP US)

Citation (examination)

- EP 0795926 A2 19970917 - ASCOM TECH AG [CH]
- US 4131893 A 19781226 - MUNSON ROBERT E, et al

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0825673 A1 19980225; **EP 0825673 B1 20101215**; CA 2213155 A1 19980221; CN 1174522 C 20041103; CN 1180947 A 19980506; DE 69740078 D1 20110127; FR 2752646 A1 19980227; FR 2752646 B1 19981113; US 5986606 A 19991116

DOCDB simple family (application)

EP 97460030 A 19970814; CA 2213155 A 19970818; CN 97119295 A 19970821; DE 69740078 T 19970814; FR 9610459 A 19960821; US 91177697 A 19970815