Title (en)

Rhombic aerials.

Title (de)

Rhombusantenne.

Title (fr)

Antenne losange.

Publication

EP 0142233 A2 19850522 (EN)

Application

EP 84306021 A 19840903

Priority

GB 8323691 A 19830903

Abstract (en)

A rhombic aerial has two rigid conductive arms (10, 12) bent to form a rhombus. At one end the arms (10, 12) are connected together by a rigid interconnection (16, 18, 20) whilst conductive extensions (10c, 12c) extend from the other ends of the arms (10, 12). A co-axial cable (28) enters one extension (12c) and extends within that extension (12c) to a point at which its outer conductor is connected to one arm 12 and its inner conductor is connected to the other arm (10). The extensions (10c, 12c) are electrically connected by a movable slide (34) so that they form a balun. This enables the reactance of the aerial to be tuned to match the feed cable. Preferably the position of the slide (34) is adjustable so that the aerial may be tuned to a particular frequency band. The extensions may extend outwardly of the rhombus or may extend inwardly e.g. from one end of an arm to the other.

IPC 1-7

H01Q 11/06

IPC 8 full level

H01Q 11/06 (2006.01)

CPC (source: EP)

H01Q 11/06 (2013.01)

Cited by

ES2565010A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0142233 A2 19850522; **EP 0142233 A3 19860806**; GB 8323691 D0 19831005; GB 8422191 D0 19841010

DOCDB simple family (application)

EP 84306021 A 19840903; GB 8323691 A 19830903; GB 8422191 A 19840903