

Title (en)

Inverted-F antenna having reinforced fixing structure

Title (de)

Invertierte F-Antenne mit verstärkter Befestigungsanordnung

Title (fr)

Antenne inversée du type F avec structure de fixation renforcée

Publication

EP 1724876 A1 20061122 (EN)

Application

EP 05010525 A 20050513

Priority

EP 05010525 A 20050513

Abstract (en)

An inverted-F antenna having a reinforced fixing structure is disclosed for benefiting antenna diversity. The inverted-F antenna is composed of a base board (such as a printed circuit board), a radiator and at least one supporting member each having a beveled fixing foot, wherein the shape of the radiator can be changed in accordance with various bending directions, such as a L shape, a U shape or a Z shape. The reinforced fixing structure of the inverted-F antenna further includes a dielectric material (such as foam adhesive) used for partially filling in the gap between the radiator and the base board, thereby reinforcing the strength of fixing each supporting member to the base board.

IPC 8 full level

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

CPC (source: EP)

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

Citation (search report)

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Designated contracting state (EPC)

DE FR GB

Designated extension state (EPC)

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