

Title (en)
Antenna mounting structure

Title (de)
Antennenbefestigungsstruktur

Title (fr)
Structure de montage d'une antenne

Publication
EP 1650827 A3 20060510 (EN)

Application
EP 05022890 A 20051020

Priority
• JP 2004308804 A 20041022
• JP 2005214831 A 20050725

Abstract (en)
[origin: EP1650827A2] A structure for mounting an antenna device on a first side of a panel body is disclosed. A first fixation member includes a first end having a first width, a second end, and a slit connecting the first end and the second end. A protrusion is protruded from the antenna device and fitted into the first end of the first fixation member. A second fixation member is fitted into the second end of the first fixation member while being coupled with the protrusion in a screwing manner. A wedge member is provided on the protrusion and formed with a cutout portion. The wedge member is configured to be fitted into the slit when the protrusion and the second fixation member are in a first screwing position, and configured to expand the slit when the protrusion and the second fixation member are in a second screwing position where the protrusion and the second fixation member are closed to each other than the first screwing position. A cable is extending from the antenna device and led to a second side of the panel body while passing through the cutout portion of the wedge member and an aperture formed in the panel body.

IPC 8 full level
H01Q 1/12 (2006.01); **H01Q 1/32** (2006.01)

CPC (source: EP KR)
H01Q 1/1214 (2013.01 - EP KR); **H01Q 1/3216** (2013.01 - KR); **H01Q 1/3275** (2013.01 - EP KR)

Citation (search report)
• [XA] US 2392491 A 19460108 - MORAN TERENCE J
• [A] DE 202004007160 U1 20040715 - WILHELM SIHN JR GMBH & CO KG [DE]
• [A] US 2003231140 A1 20031218 - HAUSSLER BRADLEY S [US], et al
• [XA] US 2003068198 A1 20030410 - KOZLOVSKI A DAVID [US]
• [A] DE 10210593 A1 20030925 - SIHN JR KG WILHELM [DE]

Cited by
GB2548995A; US9966707B2; EP2602866A1; FR2984019A1; CN112886216A; WO2019048329A1; US10403968B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1650827 A2 20060426; EP 1650827 A3 20060510; EP 1650827 B1 20090722; DE 602005015528 D1 20090903;
KR 101151946 B1 20120601; KR 20060049141 A 20060518

DOCDB simple family (application)
EP 05022890 A 20051020; DE 602005015528 T 20051020; KR 20050099840 A 20051021