

Title (en)
Antenna connector

Title (de)
Antennenstecker

Title (fr)
Connecteur d'antenne

Publication
EP 2475045 A1 20120711 (EN)

Application
EP 11193218 A 20111213

Priority
JP 2011000526 A 20110105

Abstract (en)
An antenna connector (1) that is capable of achieving impedance matching easily and reducing a return loss in a high-frequency band so as to improve the high-frequency characteristics is provided. The antenna connector (1) is configured to be fitted to a cable connector (10), and includes a power feeding terminal (3) to be connected to an antenna, a grounding terminal (4) to be used for an earth, and an insulating housing (2) for mounting the power feeding terminal and the grounding terminal. Parts of the power feeding terminal (3) and the grounding terminal (4) are fixed on the substrate surface (15) respectively and the grounding terminal (4) electrically surrounds a connecting terminal of a cable (18) in a fitted state in cooperation with a grounding terminal of the cable connector (10). The grounding terminal (4) and the power feeding terminal (3) of the antenna connector (1) are partly formed with opposing surface portions (3b, 4b) opposing each other at a predetermined distance.

IPC 8 full level
H01R 9/05 (2006.01); **H01Q 1/12** (2006.01); **H01R 13/6476** (2011.01); **H01R 24/44** (2011.01); **H01R 24/50** (2011.01)

CPC (source: EP)
H01Q 1/1271 (2013.01); **H01R 24/44** (2013.01); **H01R 24/50** (2013.01); **H01R 13/6476** (2013.01); **H01R 2201/02** (2013.01)

Citation (applicant)
JP 2010146959 A 20100701 - ASAHI GLASS CO LTD

Citation (search report)

- [X] US 6264475 B1 20010724 - MACHADO MANUEL [US]
- [A] EP 2200123 A1 20100623 - ASAHI GLASS CO LTD [JP]
- [A] US 2010203770 A1 20100812 - HIRAI TOMOHARU [JP]
- [A] US 5568156 A 19961022 - TERASHIMA FUMITAKA [JP], et al

Citation (examination)
US 5466160 A 19951114 - OGURA HIROMI [JP]

Cited by
EP2924803A1; CN104953231A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2475045 A1 20120711; JP 2012142220 A 20120726

DOCDB simple family (application)
EP 11193218 A 20111213; JP 2011000526 A 20110105