

Title (en)
Antenna device

Title (de)
Antennenvorrichtung

Title (fr)
Dispositif d'antenne

Publication
EP 1699109 A2 20060906 (EN)

Application
EP 06002675 A 20060209

Priority
JP 2005034405 A 20050210

Abstract (en)
A case has a synthesized resin radome that houses and covers an antenna unit, and a metal cover that covers a bottom opening of the radome. A shield case and the metal cover facing each other are connected to each other by a tongue piece. The antenna unit includes a circuit board that has a wiring pattern and a semiconductor component mounted on a lower surface thereof, the shield case that covers the lower surface of the circuit board and is connected to an outer conductor of a coaxial cable, a radiating conductor plate that is substantially disposed in parallel with an upper surface of the circuit board by a predetermined gap, and feeding pieces that extend from the radiating conductor plate and are connected to the wiring pattern. The antenna unit in the case is connected to an external circuit through the coaxial cable.

IPC 8 full level
H01Q 1/32 (2006.01); **H01Q 1/50** (2006.01); **H01Q 9/04** (2006.01)

CPC (source: EP)
H01Q 1/3291 (2013.01); **H01Q 1/42** (2013.01); **H01Q 1/526** (2013.01); **H01Q 9/0407** (2013.01); **H01Q 9/0428** (2013.01)

Citation (applicant)
JP H07326914 A 19951212 - MITSUMI ELECTRIC CO LTD

Cited by
EP2101372A1; DE102009018496B3; EP2136435A4; WO2013128297A3; WO2016193249A1; US7768465B2; US8599072B2; US9496608B2; US10008764B2; US11277164B2

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