

Title (en)
Antenna device

Title (de)
Antennenvorrichtung

Title (fr)
Dispositif d'antenne

Publication
EP 2083473 A1 20090729 (EN)

Application
EP 09000532 A 20090115

Priority
JP 2008015836 A 20080128

Abstract (en)
Provided is an antenna device which allows high density packaging of an electrical component. The antenna device includes: a base body (2) mounted on a circuit board (90); a wiring conductor (50) to which power is supplied, and a radiation conductor (31) which is connected to the wiring conductor (50) to radiate radio waves, each of which is provided on the base body (2); an insulation substrate (82) mounted on the base body (2); and an electrical component (84) which is mounted on the insulation substrate (82) in a chip shape to be electrically connected to the wiring conductor (50). The base body (2) has a stepped portion formed from a top surface (4) of the base body (2) toward the circuit board (90) to form a concave portion (16), and the concave portion (16) allows the antenna to have a lower height.

IPC 8 full level
H01Q 1/24 (2006.01)

CPC (source: EP)
H01Q 1/2283 (2013.01); **H01Q 1/243** (2013.01); **H01Q 1/362** (2013.01); **H01Q 1/38** (2013.01); **H01Q 11/08** (2013.01)

Citation (applicant)
• JP 2008015836 A 20080124 - KONICA MINOLTA BUSINESS TECH
• JP 2005210680 A 20050804 - MITSUBISHI MATERIALS CORP
• JP 2003229717 A 20030815 - MURATA MANUFACTURING CO

Citation (search report)
• [A] WO 2006134701 A1 20061221 - MURATA MANUFACTURING CO [JP], et al
• [A] US 2006135061 A1 20060622 - YING ZHINONG [SE]

Cited by
US2017117610A1; US10079426B2

Designated contracting state (EPC)
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 SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2083473 A1 20090729; JP 2009177660 A 20090806

DOCDB simple family (application)
EP 09000532 A 20090115; JP 2008015836 A 20080128