

Title (en)

Antenna device for mounting on a printed circuit board

Title (de)

Antennenvorrichtung zur Montage auf einer Leiterplatte

Title (fr)

Dispositif d'antenne pour montage sur une carte de circuits imprimés

Publication

EP 1906489 A1 20080402 (EN)

Application

EP 07018390 A 20070919

Priority

JP 2006263679 A 20060928

Abstract (en)

An antenna device (1) includes: a winding component (2) having an approximately cylindrical shaped winding shaft portion (10) and a flange portion (12,13) disposed to project outside the winding shaft portion in at least one end portion of both end portions in an axial direction of the winding shaft portion; a pair of binding terminals (22) disposed to project outside the flange portion in at least one of the flange portions; and a winding (4) both ends of which are bound to the pair of binding terminals. The flange portion on which the binding terminals are disposed has an approximate disk shape. At least one binding terminal is disposed to be oriented along a direction approximately perpendicular to an outer periphery of the flange portion on which the binding terminal is disposed.

IPC 8 full level

H01Q 1/32 (2006.01); **H01F 17/02** (2006.01); **H01F 27/29** (2006.01); **H01Q 7/00** (2006.01)

CPC (source: EP)

H01F 41/076 (2016.01); **H01F 41/098** (2016.01); **H01Q 1/3241** (2013.01); **H01Q 7/00** (2013.01); **H01F 5/04** (2013.01)

Citation (search report)

- [X] DE 20318052 U1 20040304 - PEMETZRIEDER NEOSID [DE]
- [X] WO 02078016 A1 20021003 - EPCOS AG [DE], et al
- [X] JP H03265106 A 19911126 - MATSUSHITA ELECTRIC IND CO LTD
- [X] JP H06283361 A 19941007 - TAIYO YUDEN KK
- [DA] JP 2000348957 A 20001215 - MITSUBISHI ELECTRIC CORP

Designated contracting state (EPC)

BE DE ES FR GB IT

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1906489 A1 20080402; **EP 1906489 B1 20100331**; CN 101154499 A 20080402; CN 101154499 B 20120523; DE 602007005569 D1 20100512; ES 2343589 T3 20100804; JP 2008085684 A 20080410; TW 200816242 A 20080401; TW I344659 B 20110701

DOCDB simple family (application)

EP 07018390 A 20070919; CN 200710148763 A 20070911; DE 602007005569 T 20070919; ES 07018390 T 20070919; JP 2006263679 A 20060928; TW 96135074 A 20070920