

Title (en)

ANTENNA UNIT

Title (de)

ANTENNENEINHEIT

Title (fr)

UNITÉ D'ANTENNE

Publication

EP 2093833 B1 20140507 (EN)

Application

EP 07831106 A 20071102

Priority

- JP 2007071372 W 20071102
- JP 2006302322 A 20061108

Abstract (en)

[origin: EP2093833A1] An antenna unit (1) includes: an antenna coil (2) for effecting at least one of reception and transmission of an electromagnetic signal; a bobbin (3) on which the antenna coil (2) is wound; a core (4) to be retained in the bobbin (3); and a sensor electrode coil (5) to be wound on the bobbin (3) to detect a predetermined state change based on a change in capacitance. The bobbin (3) includes: an antenna coil winding part (3a) on which the antenna coil (2) is wound; and an electrode coil winding part (3b) which protrudes from the antenna coil winding part (3a) in one direction and on which the sensor electrode coil (5) can be wound.

IPC 8 full level

E05B 81/78 (2014.01); **H01F 5/02** (2006.01); **H01Q 1/32** (2006.01); **H01Q 7/08** (2006.01)

CPC (source: EP)

E05B 81/78 (2013.01); **H01F 5/02** (2013.01); **H01Q 7/08** (2013.01); **E05B 81/77** (2013.01); **H01F 2005/027** (2013.01); **H01Q 1/3241** (2013.01)

Cited by

US9997835B2; EP2736120A1; EP2736121A1; EP3002766A1; US2016093954A1; CN105470623A; EP3232506A1; CN107293859A; EP3471207A1; US2019115663A1; EP2360704A1; CN104051854A; EP2966655A3; WO2018041448A1; US10186774B2; US10665944B2

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DOCDB simple family (publication)

EP 2093833 A1 20090826; **EP 2093833 A4 20130710**; **EP 2093833 B1 20140507**; CN 101529654 A 20090909; CN 101529654 B 20130320; JP WO2008056601 A1 20100225; WO 2008056601 A1 20080515

DOCDB simple family (application)

EP 07831106 A 20071102; CN 200780039013 A 20071102; JP 2007071372 W 20071102; JP 2008543051 A 20071102