

Title (en)  
ANTENNA UNIT

Title (de)  
ANTENNENEINHEIT

Title (fr)  
UNITÉ D'ANTENNE

Publication  
**EP 2093833 A1 20090826 (EN)**

Application  
**EP 07831106 A 20071102**

Priority  
• JP 2007071372 W 20071102  
• JP 2006302322 A 20061108

Abstract (en)  
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; EP2360704A1; CN104051854A; EP2966655A3; EP3232506A1; CN107293859A; EP3471207A1; US2019115663A1; EP3002766A1; US2016093954A1; CN105470623A; WO2018041448A1; US10186774B2; US10665944B2

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DOCDB simple family (publication)  
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