

Title (en)  
Antenna coil

Title (de)  
Antennenspule

Title (fr)  
Bobine d'antenne

Publication  
**EP 2360704 B1 20150923 (EN)**

Application  
**EP 11154180 A 20110211**

Priority  
JP 2010030710 A 20100215

Abstract (en)  
[origin: EP2360704A1] In an antenna coil which includes a core member having an X-axis leg section protruding in the X-axis direction from an intersection of the core member and having a Y-axis leg section protruding in the Y-axis direction from the intersection, X-axis winding wires wound around the outer periphery of the X-axis leg section, and Y-axis winding wires wound around the outer periphery of the Y-axis leg section, at least one of an X-axis winding frame section for the X-axis winding wire, the X-axis winding frame section being provided at the X-axis leg section, and a Y-axis winding frame section for the Y-axis winding wire, the Y-axis winding frame section being provided at the Y-axis leg section, has one of intermediate flange sections for respectively separating the X-axis winding frame section and the Y-axis winding frame section into a pair of winding frame sections and a pair of winding frame sections, the winding frame sections of each of the pairs corresponding to different winding shapes.

IPC 8 full level  
**H01F 5/02** (2006.01); **G07C 9/00** (2006.01); **H01F 3/00** (2006.01); **H01F 3/10** (2006.01); **H01F 17/04** (2006.01); **H01F 27/30** (2006.01); **H01Q 1/32** (2006.01); **H01Q 7/00** (2006.01); **H01Q 21/24** (2006.01)

CPC (source: EP)  
**G07C 9/00944** (2013.01); **H01F 3/10** (2013.01); **H01F 5/02** (2013.01); **H01F 17/04** (2013.01); **H01F 27/306** (2013.01); **H01Q 1/3241** (2013.01); **H01Q 7/00** (2013.01); **H01Q 21/24** (2013.01); **H01F 2003/005** (2013.01)

Cited by  
EP3319174A1; EP3432421A1; EP2879237B1

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