Title (en)

STRANDED WIRE, COIL USING THIS WIRE, NOISE FILTER DEVICE HAVING THIS COIL, AND PRODUCTION METHOD FOR STRANDED WIRE

Title (de)

LITZENLEITUNG, SPULE MIT DIESER LEITUNG, RAUSCHFILTER MIT DIESER SPULE UND HERSTELLUNGSVERFAHREN FÜR EINE LITZENLEITUNG

Title (fr)

FIL TORSADE, ENROULEMENT UTILISANT CE FIL, DISPOSITIF DE FILTRATION DU BRUIT POSSEDANT CET ENROULEMENT ET PROCEDE DE PRODUCTION DU FIL TORSADE

Publication

EP 1655740 A4 20080716 (EN)

Application

EP 04771263 A 20040805

Priority

• JP 2004011236 W 20040805
• JP 2003292923 A 20030813

Abstract (en)

[origin: EP1655740A1] To produce a large-current-adaptable common-mode coil simply and at low costs. When the drive pulley (76) of a motor (74) is rotated in an arrow B direction after the distance between pins (68, 68) is adjusted to a desired one, a rotary shaft (70) is rotated. This rotation allows a rod-like takeup bobbin (64) to take up a copper wire (60) such as UEW to produce an annular conductor (66) consisting of a specified number of wires. The conductor (66) is removed from the bobbin (64), and one end is rotated with the opposite ends kept pulled from each other to produce a strand. This strand is wound into a troidal coil or the like to produce a large-current-adaptable common-mode coil.

IPC 8 full level

H01B 5/08 (2006.01); H01F 27/28 (2006.01); H01B 7/00 (2006.01); H01B 13/00 (2006.01); H01B 13/02 (2006.01); H01F 17/06 (2006.01); H01F 37/00 (2006.01); H01F 41/07 (2016.01); H01F 41/076 (2016.01); H01F 41/08 (2006.01); H01F 41/098 (2016.01)

CPC (source: EP KR)

D07B 7/165 (2013.01 - EP); H01B 13/02 (2013.01 - EP KR); H01F 17/06 (2013.01 - KR); H01F 17/062 (2013.01 - EP); H01F 41/06 (2013.01 - KR); H01F 41/08 (2013.01 - EP KR); D07B 2501/406 (2013.01 - EP); H01F 2017/065 (2013.01 - EP)

Citation (search report)

[A] US 2978530 A 19610404 - FERNAND BRAECKMAN

Cited by

DE102018208414A1; US2016141077A1; US9812232B2; US11728714B2

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EP 1655740 A1 20060510; EP 1655740 A4 20080716; CN 1864234 A 20061115; CN 1864234 B 20100616; JP 2005063830 A 20050310; JP 4098685 B2 20080611; KR 100753000 B1 20070830; KR 20060032217 A 20060414; WO 2005017924 A1 20050224

DOCDB simple family (application)

EP 04771263 A 20040805; CN 200480029486 A 20040805; JP 2003292923 A 20030813; JP 2004011236 W 20040805; KR 20067002835 A 20060210