

Title (en)

Electric coil, transformer, and electric motor having such coil

Title (de)

Elektrische Spule, Transformator, und Elektromotor mit solcher Spule

Title (fr)

Bobinage électrique, transformateur et moteur électrique comportant un tel bobinage

Publication

**EP 0961302 A3 20000419 (FR)**

Application

**EP 99401186 A 19990517**

Priority

FR 9806647 A 19980527

Abstract (en)

[origin: EP0961302A2] Coil winding comprises a coating made of a polymer matrix and at least one material having a nonlinear resistance that is a doped or non doped conducting polymer.

IPC 1-7

**H01F 27/32**

IPC 8 full level

**H01B 1/20** (2006.01); **H01B 7/02** (2006.01); **H01F 5/06** (2006.01); **H01F 27/32** (2006.01); **H02K 3/30** (2006.01)

CPC (source: EP US)

**H01F 27/323** (2013.01 - EP US); **Y10T 428/2927** (2015.01 - EP US); **Y10T 428/2936** (2015.01 - EP US); **Y10T 428/294** (2015.01 - EP US); **Y10T 428/2947** (2015.01 - EP US); **Y10T 428/2958** (2015.01 - EP US)

Citation (search report)

- [A] DE 4438187 A1 19960502 - ABB MANAGEMENT AG [CH]
- [A] EP 0645781 A1 19950329 - ALCATEL CABLE [FR]
- [A] DE 4218928 A1 19931216 - ASEA BROWN BOVERI [CH]
- [A] PATENT ABSTRACTS OF JAPAN vol. 012, no. 135 (E - 604) 23 April 1988 (1988-04-23)

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EP2752448A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0961302 A2 19991201**; **EP 0961302 A3 20000419**; CA 2272832 A1 19991127; FR 2779268 A1 19991203; FR 2779268 B1 20000623; JP 2000030926 A 20000128; US 6287691 B1 20010911

DOCDB simple family (application)

**EP 99401186 A 19990517**; CA 2272832 A 19990520; FR 9806647 A 19980527; JP 14723099 A 19990526; US 31874999 A 19990526