Title (en)

Winding for a transformer or a coil

Title (de)

Wicklung für einen Transformator oder eine Spule

Title (fr)

Enroulement pour un transformateur ou une inductance

Publication

**EP 1315183 B1 20110921 (DE)**

Application

**EP 02024178 A 20021029**

Priority

DE 10157591 A 20011123

Abstract (en)

[origin: EP1315183A2] The arrangement has a ribbon electrical conductor and a ribbon insulating layer commonly wound on a core with individual windings having a defined angle to the core's winding axis and each other with partial overlapping and insulation between radially adjacent layers. Local voltage differences or a voltage differential profile between layers in the winding axis direction are/is determined and the insulating layer thickness adapted accordingly. <??>The arrangement has a ribbon electrical conductor and an insulating layer of ribbon material commonly wound on a core with individual windings having a defined angle to the core's winding axis and to each other with partial overlapping and an insulating layer (26,32) between two radially adjacent layers (18,22;22,30). Local voltage differences or a voltage differential profile between the layers in the direction of the winding axis are/is determined and the thickness of the insulating layer is locally adapted to the detected voltage difference.

IPC 8 full level

**H01F 27/28** (2006.01); **H01F 27/30** (2006.01); **H01F 27/32** (2006.01)

CPC (source: EP KR US)

**H01F 27/2847** (2013.01 - EP US); **H01F 27/30** (2013.01 - KR); **H01F 27/323** (2013.01 - EP US); Y10T 29/4902 (2015.01 - EP US)

Cited by

EP2251877A1; FR3033198A1; CN102422365A; WO2010130337A3; US8410888B2

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DOCDB simple family (publication)

**EP 1315183 A2 20030528**; **EP 1315183 A3 20041201**; **EP 1315183 B1 20110921**; AT E525734 T1 20111015; CA 2412349 A1 20030523; CA 2412349 C 20120807; CN 1280848 C 20061018; CN 1459807 A 20031203; DE 10157591 A1 20030605; KR 100981379 B1 20100910; KR 20030043652 A 20030602; US 2003156004 A1 20030821; US 7064644 B2 20060620

DOCDB simple family (application)

**EP 02024178 A 20021029**; AT 02024178 T 20021029; CA 2412349 A 20021121; CN 02155748 A 20021122; DE 10157591 A 20011123; KR 20020070424 A 20021113; US 30411802 A 20021125