

Title (en)  
ELECTRICAL WINDING AND MANUFACTURING METHOD THEREFOR

Title (de)  
ELEKTRISCHE WICKLUNG UND HERSTELLUNGSVERFAHREN

Title (fr)  
ENROULEMENT ÉLECTRIQUE ET SON PROCÉDÉ DE FABRICATION

Publication  
**EP 1958217 A2 20080820 (DE)**

Application  
**EP 06830352 A 20061205**

Priority  
• EP 2006069302 W 20061205  
• DE 202005019390 U 20051208

Abstract (en)  
[origin: US2008309444A1] An electrical winding contains a metallic winding conductor forming individual windings. The metallic winding conductor contains a metallic conductor and an electrically insulating material surrounding the metallic conductor. An insulation inside the electrical winding can be ensured in a targeted manner by combining an electrically insulating material with a metal oxide layer surrounding the metallic winding conductor, according to the maximum electric strength required inside the electrical winding. In this way, a reduced-size electrical winding can be produced with improved heat properties. An electrical insulation of a metallic electric conductor is further described.

IPC 8 full level  
**H01F 27/28** (2006.01); **H01F 27/32** (2006.01); **H01F 41/12** (2006.01)

CPC (source: EP US)  
**H01F 27/2871** (2013.01 - EP US); **H01F 27/323** (2013.01 - EP US); **H01F 41/122** (2013.01 - EP US); **H01F 27/2828** (2013.01 - EP US); **H01F 29/02** (2013.01 - EP US); **H01F 41/10** (2013.01 - EP US)

Citation (search report)  
See references of WO 2007065887A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2008309444 A1 20081218**; AT E549726 T1 20120315; BR PI0619568 A2 20111004; CN 101341555 A 20090107; DE 202005019390 U1 20060420; DK 1958217 T3 20120611; EP 1958217 A2 20080820; EP 1958217 B1 20120314; ES 2383703 T3 20120625; JP 2009518836 A 20090507; PL 1958217 T3 20120831; PT 1958217 E 20120523; RU 2008127499 A 20100120; TW 200733146 A 20070901; WO 2007065887 A2 20070614; WO 2007065887 A3 20070802

DOCDB simple family (application)  
**US 9669606 A 20061205**; AT 06830352 T 20061205; BR PI0619568 A 20061205; CN 200680046383 A 20061205; DE 202005019390 U 20051208; DK 06830352 T 20061205; EP 06830352 A 20061205; EP 2006069302 W 20061205; ES 06830352 T 20061205; JP 2008543815 A 20061205; PL 06830352 T 20061205; PT 06830352 T 20061205; RU 2008127499 A 20061205; TW 95145328 A 20061206