

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 B1 20120314 (DE)**

Application  
**EP 06830352 A 20061205**

Priority  
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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.

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