Title (en)

Rotary electric machine

Publication

EP 1296438 A9 20040331 (EN)

Application

EP 02010116 A 20020508

Priority

JP 2001287993 A 20010921

Abstract (en)

[origin: EP1296438A2] When molding reinforced fiber layers (12) of a creepage block (11) which is in contact with a field winding 84) in a rotor (1) of a rotary electric machine, a layer containing organic fibers (13; 14,15; 16) made from polybenzoimidazole, polyparaphenylenebenzobisoxazole, aromatic polyamide, polyarylate, and aromatic polyester is integrally molded on that side of the creepage block (11) which is for contact with a field winding (4). The rotor (1) thus formed stabilizes a slippage between the field winding (4) and the creepage block (11) caused by thermal expansion of the field winding in the rotor (1) during the operation and thereby minimizes the amount of bending of a rotor shaft. <IMAGE>

IPC 8 full level

H02K 3/30 (2006.01); **H02K 3/40** (2006.01); **H02K 3/48** (2006.01)

CPC (source: EP US)

H02K 3/30 (2013.01 - EP US); **H02K 3/40** (2013.01 - EP US); **H02K 3/48** (2013.01 - EP US)

Cited by

EP2113758A3; EP1583203A3; WO2022223339A1

DOCDB simple family (publication)

EP 1296438 A2 20030326; **EP 1296438 A3 20031126**; **EP 1296438 A9 20040331**; **EP 1296438 B1 20060315**; DE 60209830 D1 20060511; DE 60209830 T2 20061102; JP 2003102140 A 20030404; JP 4442070 B2 20100331; US 2003057795 A1 20030327; US 6674210 B2 20040106

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