

Title (en)

ELECTRIC MACHINE AND SLIP RING ELEMENT FOR AN ELECTRIC MACHINE

Title (de)

ELEKTRISCHE MASCHINE SOWIE SCHLEIFRINGELEMENT FÜR EINE ELEKTRISCHE MASCHINE

Title (fr)

MACHINE ELECTRIQUE ET ELEMENT A BAGUE COLLECTRICE POUR MACHINE ELECTRIQUE

Publication

EP 1726069 A1 20061129 (DE)

Application

EP 05756964 A 20050614

Priority

- EP 2005006335 W 20050614
- DE 102004028781 A 20040616

Abstract (en)

[origin: WO2005124945A1] Disclosed is an electric machine comprising a stator (1, 1') and a rotor (2) which is mounted in two bearing (3, 3') so as to be rotatable about the longitudinal axis (4, 4') thereof and is provided with a rotor winding (5, 5'). A slip ring element (7, 7') encompassing two slip rings (10, 10'; 11, 11') and a support member (8, 8') that is made of insulating material and is provided with a rotor shaft pin bore (9, 9') is disposed on a rotor shaft pin (6, 6') which protrudes from one of the bearings (3, 3'). Said slip rings are provided with connections (12, 12'; 13, 13') which protrude from the support member of the slip ring on the face of the slip ring element located near the bearing while being joined to the rotor winding (5, 5'). A prefabricated, graded spacing ring (21, 21') which bridges the axial gap (22, 22') between two adjacent slip rings and extends at least in part into the radial gap (23, 23') between one slip ring (10, 10') and the connection (13, 13') of the other slip ring (11, 11') is embedded into the support member.

IPC 8 full level

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CPC (source: EP US)

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