



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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| <p>(51) International Patent Classification <sup>6</sup> :<br/><b>H02K 15/03, 1/27</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p><b>A1</b></p> | <p>(11) International Publication Number: <b>WO 00/14858</b></p> <p>(43) International Publication Date: 16 March 2000 (16.03.00)</p>                                                                                 |
| <p>(21) International Application Number: <b>PCT/BR98/00068</b></p> <p>(22) International Filing Date: 2 September 1998 (02.09.98)</p> <p>(71) Applicant (for all designated States except US): <b>EMPRESA BRASILEIRA DE COMPRESSORES S.A. - EMBRACO</b> [BR/BR]; Rua Rui Barbosa, 1020, CEP-89219-901 Joinville, SC (BR).</p> <p>(72) Inventors; and<br/>(75) Inventors/Applicants (for US only): <b>MÖBIUS, Marcos, Romeu</b> [BR/BR]; Rua Dilmar Penski, 705, CEP-89219-901 Joinville, SC (BR). <b>RAMIREZ, Rivio, Arturo</b> [BR/BR]; Rua Xavantes, 520, CEP-89219-901 Joinville, SC (BR).</p> <p>(74) Agents: <b>ARNAUD, Antonio, M., P. et al.</b>; 7th floor, Rua José Bonifácio, 93, CEP-01003-901 São Paulo, SP (BR).</p>                                                                                                                                                         |                  | <p>(81) Designated States: <b>CN, JP, KR, SG, SK, US</b>, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).</p> <p><b>Published</b><br/>With international search report.</p> |
| <p>(54) Title: <b>A WOUND COVER ARRANGEMENT FOR AN ELECTRIC MOTOR ROTOR</b></p> <div data-bbox="403 1256 1023 1671" data-label="Image"> </div> <p>(57) Abstract</p> <p>A wound cover arrangement for an electric motor rotor, said rotor including a core (20), magnets (30) surrounding said core and a cover (10), which is wound around the core, in order to retain said magnets (30) on said core, said arrangement comprising a pair of mold end elements (40), each mounted to an end face portion of the rotor core (20) and to the adjacent end face of at least one of the parts defined by the cover (10) and magnets (30), and which has a peripheral edge portion (41) provided with at least one recess (43) extending towards the rotor axis, the distance between said rotor and the bottom of said recess (43) defining the smallest winding end radius of the cover.</p> |                  |                                                                                                                                                                                                                       |