

Title (en)
ELECTRIC MOTOR EXCITED BY PERMANENT MAGNETS

Title (de)
PERMANENTMAGNETISCH ERREGTER ELEKTROMOTOR

Title (fr)
MOTEUR ELECTRIQUE EXCITE PAR DES AIMANTS PERMANENTS

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Application
EP 02717982 A 20020227

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Abstract (en)
[origin: WO03009449A1] According to the invention, the rotor (7) of an electric motor is provided with recesses (12, 13, 14, 15, 16, 17, 18, 19) on its surface and/or in its inner region, said recesses being positioned and measured in such a way that they do not interrupt lines of the magnetic current which are radially oriented in relation to the surface of the rotor (7) and which form a return path by means of the rotor (7). Said recesses reduce the thermal capacity of the rotor (7) to such an extent that a layer forming a plurality of permanent magnets (8, 9, 10, 11), and consisting of a magnetic material, can be sprayed onto the surface of the rotor (7).

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Citation (search report)
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