

Title (en)

ROTATING ELECTRIC MACHINE WITH HOMOPOLAR DOUBLE EXCITATION

Title (de)

ELEKTRISCHE DREHMASCHINE MIT HOMOPOLARER DOPPELERREGUNG

Title (fr)

MACHINE ELECTRIQUE TOURNANTE A DOUBLE EXCITATION DE TYPE HOMOPOLAIRE

Publication

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Application

**EP 09768162 A 20091109**

Priority

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Abstract (en)

[origin: WO2010052439A2] The present invention essentially relates to an electric machine (1.1) with homopolar double excitation, comprising a rotor particularly consisting of a central portion (51) made of a solid magnetic material and a laminated annular portion (53) located at the periphery of the solid portion. In addition, the rotor comprises permanent magnets (54), the magnetisation thereof being radially oriented relative to the axis (33) of the rotor (31), and separated from one another such that the double excitation flow generated by the field coils (38, 39) can enter the rotor (31, 67) via the flanges (48, 49) of the rotor, and come back out via the spaces between the magnets (54), or vice-versa.

IPC 8 full level

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CPC (source: EP US)

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