

Title (en)

ELECTRIC MOTOR

Title (de)

ELEKTRISCHE MASCHINE

Title (fr)

MACHINE ÉLECTRIQUE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2007088102A1] The aim of the invention is to provide an electric motor with a small diameter, in which a stator with a comparatively small radial thickness has the material volume required to conduct the magnetic flux. To achieve this the invention discloses an electric motor (1) with a stator (3), which comprises a laminated core (8) and a number of permanent magnets (6) and a rotor (2), which co-operates with the stator (3) and can rotate about a rotational axis (5). The motor is characterised in that the stator (3) comprises a number of flux propagation elements (31), which together with the laminated core (8) are designed to conduct the magnetic flux and whose axial length (32) is greater than the axial length (4) of the laminated core (8).

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