

Title (en)

PERMANENT MAGNET D.C. MOTOR HAVING A RADIALLY-DISPOSED WORKING FLUX GAP

Title (de)

DAVERMAGNET-GLEICHSTROMMOTOR MIT RADIALEM LUFTSPALT.

Title (fr)

MOTEUR A COURANT CONTINU A AIMANTS PERMANENTS A ENTREFER DE TRAVAIL DISPOSE RADIALEMENT

Publication

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Application

EP 99973722 A 19990222

Priority

US 9903808 W 19990222

Abstract (en)

[origin: WO0051224A1] A permanent magnet D.C. motor (90) includes a stator assembly (112) with a plurality of upstanding discrete spaced-apart core components (116) formed in a circular locus generally parallel with the motor axis. Each core component includes a relatively lengthy winding association region and extending therefrom a pole piece region (128) providing a flux interaction surface. A field winding (122) mounted upon a bobbin is positioned over a core component at the winding association region. A permanent magnet component (130) is carried by a rotor (100) such that its interaction surface is adjacent to that at the pole piece region (128), and is spaced therefrom to define a flux working air gap (132).

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H02K 21/24

IPC 8 full level

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CPC (source: EP)

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