

Title (en)

Direct drive motor and assembly method

Title (de)

Motor als Direktantrieb und Verfahren zur Montage des Motors

Title (fr)

Moteur à entraînement direct et procédé de montage

Publication

EP 1580311 B1 20080702 (DE)

Application

EP 05005197 A 20050310

Priority

- DE 102004014259 A 20040324
- DE 102004049549 A 20041012

Abstract (en)

[origin: EP1580311A1] The motor has a stator and a rotor for driving a washing machine etc. having a rotatable drum. The stator is arranged with its exciting coil fixed to the drum bearing. The rotor is fastened to an end of the drum shaft with an air gap between the rotor and the stator. The rotor is arranged to transfer torque to the drum. The drum shaft passes through a bore in the stator. The edge of the stator bore has a cylindrical or conical protrusion which engages in the bearing bore of the drum bearing so centering the stator bore relative to the bearing bore. Independent claims also cover a method of assembling the motor.

IPC 8 full level

D06F 37/20 (2006.01); **D06F 37/30** (2006.01); **H02K 15/03** (2006.01)

CPC (source: EP US)

D06F 37/206 (2013.01 - EP US); **D06F 37/304** (2013.01 - EP US)

Cited by

EP2112261A1; EP2626459A1; EP3067457A1; EP2287380A3; US8616029B2; US9451869B2; US11670977B2; US11973374B2

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