

Title (en)

DRIVE DEVICE FOR A WASHING MACHINE

Title (de)

ANTRIEBSVORRICHTUNG FÜR EINE WASCHMASCHINE

Title (fr)

DISPOSITIF D'ENTRAÎNEMENT POUR UN LAVE-LINGE

Publication

EP 0988411 A1 20000329 (DE)

Application

EP 98939494 A 19980608

Priority

- DE 19724930 A 19970612
- EP 9803421 W 19980608

Abstract (en)

[origin: DE19724930A1] The invention relates to a drive device in the form of a direct drive for a horizontally positioned washing drum, which device is designed especially with a view to low-cost production and to make it possible for the engine to be fully pre-assembled in the manufacturing plant and for the frame to replace the usual supporting star for the lye container. To this end the frame (10) of the engine (9) is connected to the bottom wall (6) of the lye container (1) instead of the rigid supporting part. Said engine also has a central bearing bush (23) having one or two roller bearings (21 and 22), kept at a distance to each other for the shaft (20) of the rotor (13), which at the end (cone 19) facing the washing drum (4) has a concentric hole (28) extending approximately as far as the middle of the roller bearing (22) on the drum side for receiving the shaft (7) of the washing drum (4). The rotor (13) has a bell (18) attached to the outer end of its shaft (20), the edge (15) of which bell points towards the lye container (1). A number of exciting coils (12) are distributed in a circle on the frame (10), which are arranged opposite magnetizable poles (14) distributed around the inner circumference of the bell edge (15) and separated from same by an air gap.

IPC 1-7

D06F 37/30

IPC 8 full level

D06F 37/30 (2006.01)

CPC (source: EP US)

D06F 37/304 (2013.01 - EP US)

Citation (search report)

See references of WO 9856974A1

Cited by

EP0991805B2

Designated contracting state (EPC)

CH DE ES FR GB IT LI

DOCDB simple family (publication)

DE 19724930 A1 19981217; DE 59805817 D1 20021107; EP 0988411 A1 20000329; EP 0988411 B1 20021002; ES 2185198 T3 20030416; TR 199903045 T2 20000621; US 6050113 A 20000418; WO 9856974 A1 19981217

DOCDB simple family (application)

DE 19724930 A 19970612; DE 59805817 T 19980608; EP 9803421 W 19980608; EP 98939494 A 19980608; ES 98939494 T 19980608; TR 9903045 T 19980608; US 9697698 A 19980612