

Title (en)
DRIVE UNIT FOR A WASHING MACHINE

Title (de)
ANTRIEBSVORRICHTUNG FÜR EINE WASCHMASCHINE

Title (fr)
DISPOSITIF D'ENTRAÎNEMENT POUR LAVE-LINGE

Publication
EP 0991805 B2 20070103 (DE)

Application
EP 98929430 A 19980608

Priority
• DE 19726246 A 19970620
• EP 9803422 W 19980608

Abstract (en)
[origin: DE19726246A1] A washing drum is positioned inside a retaining sleeve (5) of a rigid bearing bracket (1) by means of an at least approximately horizontally arranged shaft (4), said bearing bracket (1) being mounted on a bottom surface (3) of a lye container. The inventive drive unit can be mounted on the rear side of the lye container. Said drive unit comprises a flat motor (7) with a stator support member (8), exciter windings (13) a rotor (10) and magnetisable poles (15), and drives the washing drum directly. The stator support member (8) and the rotor (10) of the motor (7) are detachably interconnected for the duration of transportation before the drive unit is finally mounted on the bottom surface (3) of the lye container, wherein the position of said stator support member (8) in relation to the rotor (10) corresponds to the operating position. This ensures that the motor (7) is already fully pre-assembled and tested on delivery to the washing machine manufacturing facility and can be built into the washing machines more simply. Therefore, no additional intervention is required in installing the motor (7). This avoids the risk of interfering with the tolerances which are necessary for the motor to function properly.

IPC 8 full level
D06F 37/30 (2006.01)

CPC (source: EP US)
D06F 37/304 (2013.01 - EP US); **Y10T 29/49009** (2015.01 - EP US)

Citation (opposition)
Opponent :
• DE 3927426 A1 19910221 - MULFINGEN ELEKTROBAU EBM [DE]
• US 3539851 A 19701110 - BOZSVAI ALEXANDER E
• DE 3401776 A1 19850801 - PAPST MOTOREN GMBH & CO KG [DE]
• EP 0988411 B1 20021002 - BSH BOSCH SIEMENS HAUSGERÄTE [DE]
• EP 0779388 A2 19970618 - BOSCH SIEMENS HAUSGERÄTE [DE]

Designated contracting state (EPC)
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DE 19726246 A1 19981224; DE 59802647 D1 20020221; EP 0991805 A1 20000412; EP 0991805 B1 20020116; EP 0991805 B2 20070103; ES 2172155 T3 20020916; ES 2172155 T5 20070816; TR 199903158 T2 20010321; US 6131422 A 20001017; WO 9859102 A1 19981230

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