

Title (en)
Washing machine with improved synchronous motor

Title (de)
Waschmaschine mit Synchronmotor

Title (fr)
Machine à laver avec moteur synchrone

Publication
EP 1428926 B1 20080130 (EN)

Application
EP 03023702 A 20031020

Priority
IT PN20020096 A 20021210

Abstract (en)
[origin: EP1428926A2] A washing machine is provided with a drain pump comprising a synchronous motor and an impeller (2); the shaft (1) of the motor is provided with an appropriate flywheel (33) and has an eccentric protrusion (4) at the extremity thereof, and said impeller, in its central zone where it is fitted onto said shaft, is provided with a ring-shaped (5) cavity extending circularly only along a definite arc portion (A) and adapted to accommodate said eccentric protrusion. This eccentric protrusion is in turn so sized with respect to said cavity as to be capable of freely rotating for a pre-definable arc (B) within said cavity.

IPC 8 full level
D06F 39/08 (2006.01)

CPC (source: EP US)
D06F 39/085 (2013.01 - EP US); **F04D 29/20** (2013.01 - EP); **D06F 2103/48** (2020.02 - EP US)

Cited by
EP1883148A1; EP2292137A1; ITTO20090566A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 1428926 A2 20040616; EP 1428926 A3 20070124; EP 1428926 B1 20080130; AT E385269 T1 20080215; DE 60318932 D1 20080320; DE 60318932 T2 20090129; ES 2297086 T3 20080501; IT PN20020096 A1 20040611

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