

Title (en)

HOUSEHOLD APPLIANCE, IN PARTICULAR A WASHING MACHINE HAVING A STATIONARY DETERGENT TANK

Title (de)

HAUSHALTSGERÄT, INSBESONDERE WASCHMASCHINE MIT EINEM UNBEWEGLICHEN LAUGENBEHÄLTER

Title (fr)

APPAREIL MÉNAGER NOTAMMENT LAVE-LINGE COMPORTANT UN RÉSERVOIR À LESSIVE FIXE

Publication

**EP 2582869 A1 20130424 (DE)**

Application

**EP 11724189 A 20110607**

Priority

- DE 102010030163 A 20100616
- EP 2011059328 W 20110607

Abstract (en)

[origin: WO2011157589A1] The invention relates to a household appliance (6) having a rotating component (17) and a drive motor (20) for driving the component (17), said motor comprising a stator (21) having a first magnet arrangement (25) and a rotor (19) coupled to the component (17) and having a second magnet arrangement (24), and having a control device (34) for actuating the drive motor (20), wherein the rotor (19) can be rotated relative to the stator (21) about a rotary axis (S) by the interaction of the magnetic fields generated by the magnet arrangements (24, 25). According to the invention, the magnet arrangements (24, 25) are spaced apart from each other along the rotary axis (S), so that an axial gap (22) is formed between the magnet arrangements (24, 25). The control device (34) is further designed for achieving a coaxial arrangement of the rotor (19) with respect to the stator (21), such that when a distribution of the magnetic field generated by the first and/or the second magnet arrangement (24, 25) is controlled, a constant component of said magnetic field greater than zero is generated. The invention further relates to a method for operating a household appliance (6).

IPC 8 full level

**D06F 37/20** (2006.01); **D06F 34/08** (2020.01)

CPC (source: EP US)

**D06F 34/08** (2020.02 - EP US); **D06F 37/206** (2013.01 - EP); **D06F 37/304** (2013.01 - EP US); **D06F 58/08** (2013.01 - EP US); **D06F 2103/44** (2020.02 - EP US); **D06F 2105/46** (2020.02 - EP US)

Citation (search report)

See references of WO 2011157589A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**DE 102010030163 A1 20111222**; CN 102939415 A 20130220; CN 102939415 B 20151216; EA 023486 B1 20160630; EA 201291423 A1 20130628; EP 2582869 A1 20130424; EP 2582869 B1 20150826; PL 2582869 T3 20160129; WO 2011157589 A1 20111222

DOCDB simple family (application)

**DE 102010030163 A 20100616**; CN 201180029318 A 20110607; EA 201291423 A 20110607; EP 11724189 A 20110607; EP 2011059328 W 20110607; PL 11724189 T 20110607