

Title (en)

DOMESTIC APPLIANCE FOR CARING FOR LAUNDRY ITEMS HAVING AN IMBALANCE-COMPENSATING DEVICE HAVING BALLS
MAGNETICALLY HELD IN DEPENDENCE ON ROTATIONAL SPEED AND METHOD FOR OPERATING SUCH A DOMESTIC APPLIANCE

Title (de)

HAUSHALTSGERÄT ZUR PFLEGE VON WÄSCHESTÜCKEN MIT EINER UNWUCHTAUSGLEICHSVORRICHTUNG MIT DREHZAHLABHÄNGIG
MAGNETISCH GEHALTENEN KUGELN UND VERFAHREN ZUM BETREIBEN EINES DERARTIGEN HAUSHALTSGERÄTS

Title (fr)

APPAREIL ÉLECTROMÉNAGER POUR L'ENTRETIEN DE LINGE COMPRENANT UN DISPOSITIF ANTI-BALOURD POURVU DE BILLES
À RETENUE MAGNÉTIQUE EN FONCTION DE LA VITESSE DE ROTATION, ET PROCÉDÉ DE FONCTIONNEMENT D'UN TEL APPAREIL
ÉLECTROMÉNAGER

Publication

EP 3322848 A1 20180523 (DE)

Application

EP 16735893 A 20160707

Priority

- DE 102015213347 A 20150716
- EP 2016066130 W 20160707

Abstract (en)

[origin: WO2017009170A1] The invention relates to a domestic appliance (1) for caring for laundry items (31), comprising at least one laundry drum (3) for holding laundry items and at least one imbalance-compensating device (13, 14), which is arranged on the laundry drum (3) and which has a housing (18, 21), in which a plurality of compensating elements (20, 23, 27, 29, 32, 33) are movably contained, of which at least some are magnetic and, at least in some regions, are designed as permanent magnets, wherein the imbalance-compensating device (13, 14) has at least one magnetically interacting component (26, 30) for magnetically interacting with the magnetic compensating elements (20, 23, 27, 29), which magnetically interacting component is rotationally coupled to the laundry drum (3), wherein the magnetic compensating elements (20, 23) and the magnetically interacting component (26, 30) have such a magnetic holding force with respect to each other that the compensating elements (20, 23) are not released from the magnetically interacting component (26, 30) until a rotational speed of the laundry drum (3) is greater than a specified reference rotational speed UR of the laundry drum (3). The invention also relates to a method for operating a domestic appliance (1).

IPC 8 full level

D06F 37/22 (2006.01)

CPC (source: EP RU US)

D06F 37/225 (2013.01 - EP RU US)

Citation (search report)

See references of WO 2017009170A1

Cited by

CN112281409A

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2017009170 A1 20170119; CN 107849786 A 20180327; CN 107849786 B 20201106; DE 102015213347 A1 20170119;
EP 3322848 A1 20180523; EP 3322848 B1 20190417; PL 3322848 T3 20191129; RU 2672721 C1 20181119; TR 201906985 T4 20190621

DOCDB simple family (application)

EP 2016066130 W 20160707; CN 201680041976 A 20160707; DE 102015213347 A 20150716; EP 16735893 A 20160707;
PL 16735893 T 20160707; RU 2018101294 A 20160707; TR 201906985 T 20160707