

Title (en)
METHOD FOR OPERATING A WATER-BEARING DOMESTIC APPLIANCE WITH IMPROVED DETERMINATION OF A ZERO LOAD OF A PUMP AND HOUSEHOLD APPLIANCE FOR SAME

Title (de)
VERFAHREN ZUM BETRIEB EINES WASSERFÜHRENDEN HAUSHALTSGERÄTES MIT VERBESSERTER BESTIMMUNG EINER LEERLAUFLAST EINER PUMPE UND HAUSHALTSGERÄT HIERFÜR

Title (fr)
PROCÉDÉ DE FONCTIONNEMENT D'UN APPAREIL ÉLECTROMÉNAGER À CIRCULATION D'EAU À DÉTERMINATION DE LA DURÉE DE MARCHE À VIDE D'UNE POMPE AMÉLIORÉE ET APPAREIL ÉLECTROMÉNAGER CORRESPONDANT

Publication
EP 3424398 B1 20221005 (DE)

Application
EP 18177243 A 20180612

Priority
DE 102017211571 A 20170706

Abstract (en)
[origin: CN109208266A] The invention relates to a method for operating a water-bearing domestic appliance 1, comprising a pump 18 for conveying an aqueous liquid 7, a variable-speed permanent-magnet synchronous motor as a pump drive motor 26 and a control unit 8. The method comprises the steps of setting a pump speed n to a value n_l , in which a nozzle pressure p of the pump 18 is not sufficient to build up a conveying flow Q ; and measuring torque M of the pump 18 as a measure of idle torque M_l . The invention also relates to a water-bearing domestic appliance 1 suitable for carrying out the method.

IPC 8 full level
D06F 39/08 (2006.01); **A47L 15/00** (2006.01); **A47L 15/42** (2006.01); **D06F 33/30** (2020.01); **D06F 103/48** (2020.01); **D06F 105/46** (2020.01)

CPC (source: CN EP US)
A47L 15/0018 (2013.01 - CN); **A47L 15/0021** (2013.01 - EP US); **A47L 15/4418** (2013.01 - CN); **D06F 33/00** (2013.01 - CN); **D06F 33/30** (2020.02 - CN EP US); **D06F 39/022** (2013.01 - CN); **A47L 15/4225** (2013.01 - EP); **A47L 2401/08** (2013.01 - EP); **A47L 2401/30** (2013.01 - EP); **D06F 39/085** (2013.01 - CN EP US); **D06F 2103/48** (2020.02 - CN EP US); **D06F 2105/46** (2020.02 - CN EP US)

Cited by
EP4335349A1; BE1030863B1; EP3975814A4; US11903545B2

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)
EP 3424398 A1 20190109; **EP 3424398 B1 20221005**; CN 109208266 A 20190115; CN 109208266 B 20220329; DE 102017211571 A1 20190110; PL 3424398 T3 20230206

DOCDB simple family (application)
EP 18177243 A 20180612; CN 201810723305 A 20180704; DE 102017211571 A 20170706; PL 18177243 T 20180612