

Title (en)

LAUNDRY-CARE APPLIANCE HAVING A DETERGENT-SOLUTION PUMP

Title (de)

WÄSCHEPFLEGEGERÄT MIT EINER LAUGENPUMPE

Title (fr)

APPAREIL D'ENTRETIEN DU LINGE COMPRENANT UNE POMPE À LESSIVE

Publication

EP 3212835 A1 20170906 (DE)

Application

EP 15787924 A 20151021

Priority

- DE 102014222050 A 20141029
- EP 2015074330 W 20151021

Abstract (en)

[origin: WO2016066485A1] The present invention relates to a laundry-care appliance (100) with a recirculation system (105), the recirculation system (105) comprising a tub (109) with an inlet opening (111) and an outlet opening (113), comprising a line (115), which connects the inlet opening (111) and outlet opening (113), and comprising a detergent-solution pump (117), intended for pumping detergent solution through the recirculation system (105) and having a suction connector (131), having a pressure chamber (127), which has a recirculation connector (133) and a drainage connector (135), and having an impeller (129). The detergent-solution pump (117) is designed to pump the detergent solution, in a timed, preferred direction of rotation (145) of the impeller (129), through the recirculation connector (133) to the tub (109) and to drain the detergent solution, in a drainage direction of rotation (147) of the impeller (129), through the drainage connector (135), wherein the drainage connector (135) and the recirculation connector (133) adjoin the pressure chamber (127) tangentially.

IPC 8 full level

D06F 39/08 (2006.01); **F04D 29/50** (2006.01); **D06F 33/47** (2020.01)

CPC (source: CN EP RU US)

D06F 39/08 (2013.01 - CN EP RU US); **D06F 39/085** (2013.01 - CN EP RU US); **D06F 79/00** (2013.01 - EP); **F04D 15/0016** (2013.01 - CN EP);
F04D 29/4293 (2013.01 - CN EP); **F04D 29/486** (2013.01 - EP); **F04D 29/506** (2013.01 - CN); **D06F 33/30** (2020.02 - EP US);
D06F 33/47 (2020.02 - CN EP RU US); **D06F 39/20** (2024.01 - EP US); **D06F 2103/04** (2020.02 - EP US); **D06F 2103/48** (2020.02 - EP US);
D06F 2105/06 (2020.02 - EP US); **D06F 2105/28** (2020.02 - EP US)

Citation (search report)

See references of WO 2016066485A1

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)

DE 102014222050 B3 20160331; CN 107110177 A 20170829; EP 3212835 A1 20170906; EP 3212835 B1 20220824; PL 3212835 T3 20221205;
RU 2017117602 A 20181129; RU 2017117602 A3 20181129; RU 2675461 C2 20181219; WO 2016066485 A1 20160506

DOCDB simple family (application)

DE 102014222050 A 20141029; CN 201580059136 A 20151021; EP 15787924 A 20151021; EP 2015074330 W 20151021;
PL 15787924 T 20151021; RU 2017117602 A 20151021