

Title (en)
METHOD FOR OPERATING A WASHING MACHINE HAVING AN ELECTROCHEMICAL SENSOR AND WASHING MACHINE SUITABLE THEREFOR

Title (de)
VERFAHREN ZUM BETRIEB EINER WASCHMASCHINE MIT EINEM ELEKTROCHEMISCHEN SENSOR SOWIE HIERZU GEEIGNETE WASCHMASCHINE

Title (fr)
PROCÉDÉ POUR FAIRE FONCTIONNER UN LAVE-LINGE AVEC UN CAPTEUR ÉLECTROCHIMIQUE ET LAVE-LINGE POUR LA MISE EN OEUVRE DUDIT PROCÉDÉ

Publication
EP 3268529 B1 20240214 (DE)

Application
EP 16704234 A 20160215

Priority
• DE 102015204540 A 20150313
• EP 2016053097 W 20160215

Abstract (en)
[origin: WO2016146313A1] The invention relates to a method for operating a washing machine (1), comprising a container (2), a drum (3) for accommodating laundry items (4), a drive motor (5) for the drum (3), an electrochemical sensor (9) in the container (2) for measuring an electrochemical signal in dependence on a composition of an aqueous liquid (7) in the container (2), and a control device (8), wherein the following steps are performed: (a) providing a detergent-containing aqueous liquid (7) in the container (2); (b) rotating the drum (3) in accordance with a predetermined motion program; (c) ending rotational motion of the drum (3) and allowing the detergent-containing aqueous liquid (7) to rest until a specified calmed state of the detergent-containing aqueous liquid (7) is achieved; and (d) measuring the concentration cten of a detergent in the detergent-containing aqueous liquid (7) provided in step (a) by recording and evaluating electrochemical signals of the electrochemical sensor (9) by using a relationship between electrochemical signals and detergent concentrations, which relationship is stored in the control device (8). The invention further relates to a washing machine (1) suitable for performing the method.

IPC 8 full level
D06F 34/22 (2020.01); **D06F 33/32** (2020.01); **D06F 101/04** (2020.01); **D06F 101/06** (2020.01); **D06F 103/04** (2020.01); **D06F 103/06** (2020.01); **D06F 103/18** (2020.01); **D06F 103/20** (2020.01); **D06F 103/24** (2020.01); **D06F 103/46** (2020.01); **D06F 105/48** (2020.01); **D06F 105/58** (2020.01); **D06F 105/60** (2020.01)

CPC (source: CN EP US)
D06F 33/32 (2020.02 - CN EP US); **D06F 34/22** (2020.02 - CN EP US); **D06F 2101/04** (2020.02 - CN EP US); **D06F 2101/06** (2020.02 - CN EP US); **D06F 2103/04** (2020.02 - CN EP US); **D06F 2103/06** (2020.02 - CN EP US); **D06F 2103/18** (2020.02 - CN EP US); **D06F 2103/20** (2020.02 - CN EP US); **D06F 2103/24** (2020.02 - CN EP US); **D06F 2103/46** (2020.02 - CN EP US); **D06F 2105/48** (2020.02 - CN EP US); **D06F 2105/58** (2020.02 - CN EP US); **D06F 2105/60** (2020.02 - CN EP US)

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 102015204540 A1 20160915; CN 107407034 A 20171128; CN 107407034 B 20200303; EP 3268529 A1 20180117; EP 3268529 B1 20240214; WO 2016146313 A1 20160922

DOCDB simple family (application)
DE 102015204540 A 20150313; CN 201680015518 A 20160215; EP 16704234 A 20160215; EP 2016053097 W 20160215