

Title (en)
OPERATING METHOD OF A LAUNDRY WASHING MACHINE AND LAUNDRY WASHING MACHINE IMPLEMENTING SUCH METHOD

Title (de)
BETRIEBSVERFAHREN EINER WÄSCHEWASCHMASCHINE UND WÄSCHEWASCHMASCHINE MIT SOLCH EINEM VERFAHREN

Title (fr)
PROCÉDÉ DE FONCTIONNEMENT D'UNE MACHINE À LAVER LE LINGE ET MACHINE À LAVER METTANT EN OEUVRE LEDIT PROCÉDÉ

Publication
EP 3260592 B1 20190220 (EN)

Application
EP 16176052 A 20160623

Priority
EP 16176052 A 20160623

Abstract (en)
[origin: EP3260592A1] Operating method of a laundry washing machine (1) comprising: an internal water softening device (13) which is crossed by the fresh water directed towards the washing tub (3) and/or the detergent dispenser (10), and which is filled with a water softening agent capable of reducing the hardness degree of the fresh water flowing through the same water softening device (13); a regeneration-agent container (21) containing a given amount of consumable salt or other regeneration agent; a first water-supply line (19) for selectively channelling a flow of fresh water into said regeneration-agent container (21) to form a brine capable of regenerating the water softening properties of said water softening agent; and a storage tank (35) which is fluidically connected to said regeneration-agent container (21) for receiving and accumulating the brine formed into said regeneration-agent container (21), and to said water softening device (13) for delivering said brine to the water softening device (13); the operating method of the laundry washing machine (1) comprising the steps of: channelling, via said first water-supply line (19), a given amount of fresh water into the regeneration-agent container (21) so as to form a given amount of brine that flows and accumulates into said storage tank (35); fluidically connecting the water softening device (13) in closed loop to said storage tank (35) bypassing said regeneration-agent container (21); circulating, for a given recirculation time period, said given amount of brine in closed loop through the water softening device (13) and the storage tank (35) while bypassing said regeneration-agent container (21); and lastly removing, after a given regeneration time period encompassing said recirculation time period, the brine from said water softening device (13).

IPC 8 full level
D06F 39/00 (2006.01); **D06F 33/02** (2006.01)

CPC (source: EP US)
D06F 39/007 (2013.01 - EP US)

Cited by
WO2023008715A1

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 3260592 A1 20171227; EP 3260592 B1 20190220; AU 2017281507 A1 20181115; AU 2017281507 B2 20230302; CN 109312519 A 20190205; CN 109312519 B 20210409; WO 2017220761 A1 20171228

DOCDB simple family (application)
EP 16176052 A 20160623; AU 2017281507 A 20170623; CN 201780035583 A 20170623; EP 2017065486 W 20170623