

Title (en)

Method for washing and/or rinsing in a laundry washing machine with increased energy saving.

Title (de)

Verfahren zum Waschen und/oder Spülen von einer Waschmaschine mit erhöhter Energieeinsparung

Title (fr)

Procédé de lavage et/ou rinçage d'une machine à laver le linge avec une économie d'énergie améliorée

Publication

EP 2138624 A1 20091230 (EN)

Application

EP 09158273 A 20090420

Priority

- EP 08425442 A 20080624
- EP 09158273 A 20090420

Abstract (en)

Method for washing and/or rinsing in a laundry washing machine with a plurality of nozzles (6,8) for releasing the liquids into a tank (1) and an opening (4) for the discharge of said liquids, a reservoir (3) arranged below the bottom portion of the tank and able to hold a predetermined amount of washing or rinsing liquid, said reservoir (3) being hydraulically connected to said nozzles (6,8), to said opening (4) in the bottom portion the tank, to an outlet (13) outside the machine, to a water source (14), to a pump (11) for discharging liquids from the machine and to a pump (10) for recirculating liquids, said method comprising a phase of wetting the laundry placed inside the drum (2) by recirculating a predetermined amount of washing and/or rinsing liquid, such that, during the recirculation, a dynamic level of the liquid results which does not exceed the horizontal plane (A) tangential to the edge (2a) of the drum (2) when considered in its lowest position having regard to the axis of rotation (X-X).

IPC 8 full level

D06F 35/00 (2006.01); **D06F 39/08** (2006.01)

CPC (source: EP US)

D06F 35/006 (2013.01 - EP US); **D06F 39/083** (2013.01 - EP US); **D06F 39/087** (2013.01 - EP US)

Citation (applicant)

- US 5345637 A 19940913 - PASTRYK JIM J [US], et al
- EP 0726349 A2 19960814 - CANDY SPA [IT]
- EP 0597509 A1 19940518 - CANDY SPA [IT]

Citation (search report)

- [A] EP 1746196 A2 20070124 - LG ELECTRONICS INC [KR]
- [A] EP 0778367 A1 19970611 - ELECTROLUX ZANUSSI ELETTRODOME [IT]
- [A] EP 1734167 A1 20061220 - ELECTROLUX HOME PROD CORP [BE]
- [A] WO 2006043775 A1 20060427 - LG ELECTRONICS INC [KR], et al
- [A] WO 2006018382 A1 20060223 - BSH BOSCH SIEMENS HAUSGERAETE [DE], et al

Citation (third parties)

Third party :

- EP 0326502 B1 19921223
- EP 0707670 B1 19980401 - MARTINEZ GEORGES [FR]
- EP 1284317 A1 20030219 - MARTINEZ GEORGES [FR]
- DE 4222944 C2 19980618 - AEG HAUSGERAETE GMBH [DE]
- FR 2693487 B3 19940527 - LICENTIA GMBH [DE]
- IT 1264917 B1 19961017 - LICENTIA GMBH [DE]

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (application)

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