

Title (en)
Drum type washing machine

Title (de)
Trommelwaschmaschine

Title (fr)
Machine à laver à tambour

Publication
EP 2226420 A1 20100908 (EN)

Application
EP 10151609 A 20100126

Priority
JP 2009025738 A 20090206

Abstract (en)
A water circulation system comprises a spray orifice (51) provided behind a front side wall (34) of a water tub (3) and a flow path (52) formed between a back surface of the front side wall (34) of the water tub (3) and a front side wall surface of a rotary drum (4), wherein the front side wall surface (4b) of the rotary drum (4) has a shape so formed that a distance of the front side wall surface (4b) from the axis of rotation varies with rotation of the rotary drum (4), and circulating water sprayed from the spray orifice (51) is discharged through the flow path (52) into the rotary drum (4). The system can spray the circulating water evenly over laundries regardless of an amount and kind of the laundries put in the water tub (3) without requiring a complicated structure.

IPC 8 full level
D06F 39/08 (2006.01)

CPC (source: EP US)
D06F 39/088 (2013.01 - EP US)

Citation (applicant)

- JP H11276791 A 19991012 - SHARP KK
- JP 2005058741 A 20050310 - LG ELECTRONICS INC
- JP 2006223572 A 20060831 - TOSHIBA CORP, et al
- JP 2006239142 A 20060914 - SHARP KK

Citation (search report)

- [A] JP 2007117135 A 20070517 - MATSUSHITA ELECTRIC IND CO LTD
- [A] US 4809524 A 19890307 - SICKERT RICHARD G [US], et al
- [A] US 5275026 A 19940104 - CHILCOAT EDWARD A [US]

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

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DOCDB simple family (application)
EP 10151609 A 20100126; AT 10151609 T 20100126; CN 201010112226 A 20100208; CN 201020120395 U 20100208; JP 2010011621 A 20100122; RU 2010103948 A 20100205; TW 99101607 A 20100121