Title (en)

Washing machine

Title (de)

Waschmaschine

Title (fr)

Machine à laver

Publication

EP 2631349 A1 20130828 (EN)

Application

EP 13168001 A 20101222

Priority

- JP 2010002531 A 20100108
- JP 2010125594 A 20100601
- EP 10196551 A 20101222

Abstract (en)

A drum-type washing machine includes a water tub (2) for storing wash water, a rotary drum (4) placed rotatably in the water tub and having an opening at the front (5), a motor (9) for driving the rotary drum, a water circulating path (20) for circulating the wash water stored in the water tub to the drum, a pump (21) for conveying the wash water stored in the water tub to the water circulating path, multiple nozzles (26) for jetting the wash water, conveyed to the nozzle water path by the pump, into the rotary drum, and a nozzle water path (22) formed around a front face of the water tub for conveying the wash water from the water circulating path to the nozzles.

IPC 8 full level

D06F 39/08 (2006.01)

CPC (source: EP US)

D06F 39/083 (2013.01 - EP US)

Citation (applicant)

JP H10127978 A 19980519 - SHARP KK

Citation (search report)

- [X] GB 2308388 A 19970625 - DAEWOO ELECTRONICS CO LTD [KR]
- [XA] US 2010000266 A1 20100107 - CHUNG SEUNG HWAN [KR], et al
- [X] US 2007107471 A1 20070517 - ZACCONE MARK A [US], et al
- [X] US 2003061843 A1 20030403 - RYU DOO-YOUNG [KR], et al
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- [X] US 2003051514 A1 20030320 - KIM DONG WON [KR], et al

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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 2343409 A1 20110713; **EP 2343409 B1 20140212**; CN 102121186 A 20110713; CN 102121186 B 20130206; CN 102212948 A 20111012; CN 102212948 B 20130116; CN 103088603 A 20130508; CN 103088603 B 20141224; CN 103088604 A 20130508; CN 103088604 B 20150812; CN 103088606 A 20130508; CN 103088606 B 20150218; EP 2631349 A1 20130828; EP 2631349 B1 20170426; EP 2634303 A1 20130904; EP 2634303 B1 20171213

DOCDB simple family (application)

EP 10196551 A 20101222; CN 201110020651 A 20110107; CN 201110167999 A 20110107; CN 201310015342 A 20110107; CN 201310015559 A 20110107; CN 201310016319 A 20110107; EP 13167999 A 20101222; EP 13168001 A 20101222