

Title (en)
Washing machine

Title (de)
Waschmaschine

Title (fr)
Machine à laver

Publication
EP 2108731 A3 20161102 (EN)

Application
EP 09151022 A 20090121

Priority
KR 20080032618 A 20080408

Abstract (en)
[origin: EP2108731A2] A circulatory washing machine, in which water stored in the bottom of a tub is circulated and supplied to a drum. The washing machine includes a tub for containing washing water; a drum rotatably installed in the tub; a circulation unit for circulating the washing water stored in the tub to the upper portion of the drum; and a spray nozzle for spraying the washing water, circulated by the circulation unit, to the rear portion of the inside of the drum.

IPC 8 full level
D06F 39/08 (2006.01)

CPC (source: EP KR US)
D06F 39/02 (2013.01 - KR); **D06F 39/083** (2013.01 - EP KR US); **D06F 39/088** (2013.01 - EP KR US)

Citation (search report)

- [XA] JP H10127978 A 19980519 - SHARP KK
- [XA] EP 1842954 A2 20071010 - LG ELECTRONICS INC [KR]
- [XA] EP 1505191 A1 20050209 - LG ELECTRONICS INC [KR]
- [XA] EP 1375727 A2 20040102 - ELECTROLUX HOME PROD CORP [BE]

Cited by
EP2602381A3; CN108796965A; US9222210B2; WO2014131450A1; WO2020015982A1; US11408115B2; EP4234797A3; EP4234798A3; US11866879B2; US11920278B2; US11920283B2

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 TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2108731 A2 20091014; EP 2108731 A3 20161102; EP 2108731 B1 20180328; AU 2009234618 A1 20091015; BR PI0909196 A2 20170110; BR PI0909196 B1 20190514; BR PI0909196 B8 20190702; CA 2720703 A1 20091015; CN 101555655 A 20091014; KR 20090107223 A 20091013; RU 2010145126 A 20120520; RU 2463396 C2 20121010; TR 201806843 T4 20180621; US 2009249838 A1 20091008; WO 2009125917 A2 20091015; WO 2009125917 A3 20101202

DOCDB simple family (application)
EP 09151022 A 20090121; AU 2009234618 A 20090114; BR PI0909196 A 20090114; CA 2720703 A 20090114; CN 200910131881 A 20090408; KR 20080032618 A 20080408; KR 2009000187 W 20090114; RU 2010145126 A 20090114; TR 201806843 T 20090121; US 27500008 A 20081120