

Title (en)  
Drum-type washer

Title (de)  
Trommelwaschmaschine

Title (fr)  
Machine à laver de type tambour

Publication  
**EP 2228482 A1 20100915 (EN)**

Application  
**EP 10154239 A 20100222**

Priority  
JP 2009054544 A 20090309

Abstract (en)  
A drum-type washer includes a water circulation channel (47) which is extended from an opening (45) in the rear side of the washing tub (19) and communicated with the drain space (37) in the downstream of the drain outlet (31). In the washer, in order to prevent detergent from accumulating in the drain space (37), the controller (38) performs the following operations in this order: water starts to be fed with the drain valve (49) open; the drain valve (49) is closed when a predetermined water level is reached; detergent is poured into the washing tub (19); the rotating drum (17) is rotated for a predetermined time to perform washing; and the drain valve (49) is opened and closed.

IPC 8 full level  
**D06F 39/08** (2006.01); **D06F 33/02** (2006.01)

CPC (source: EP US)  
**D06F 39/086** (2013.01 - EP US)

Citation (applicant)  
JP H10201988 A 19980804 - MATSUSHITA ELECTRIC IND CO LTD

Citation (search report)  
• [I] DE 19810221 A1 19990916 - AEG HAUSGERAETE GMBH [DE]  
• [A] DE 3704079 A1 19880818 - BOSCH SIEMENS HAUSGERAETE [DE]  
• [A] DE 4316598 A1 19941124 - LICENTIA GMBH [DE]  
• [A] EP 1505194 A2 20050209 - SAMSUNG ELECTRONICS CO LTD [KR]  
• [A] EP 0677609 A2 19951018 - MERLONI ELETTRODOMESTICI SPA [IT]  
• [A] DE 2655556 A1 19780615 - MIELE & CIE  
• [A] DE 8816999 U1 19910912  
• [A] GB 2127045 A 19840404 - BOSCH SIEMENS HAUSGERAETE

Cited by  
EP2712950A1; WO2014048771A1

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

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 10154239 A 20100222**; CN 201010132216 A 20100309; JP 2009054544 A 20090309