

Title (en)

Detergent feeding device and washing machine having the same

Title (de)

Waschmittelzuführvorrichtung und Waschmaschine damit

Title (fr)

Appareil d'approvisionnement en détergent et machine à laver dotée de celui-ci

Publication

EP 2666900 A1 20131127 (EN)

Application

EP 13168999 A 20130523

Priority

KR 20120055359 A 20120524

Abstract (en)

Disclosed herein is a washing machine including a housing (10), a tub (20) disposed within the housing (10) to retain water, a spin basket (30) rotatably installed in the tub (20), a detergent feeding device (70) to supply detergent and water to the tub (20). The detergent feeding device (70) includes a detergent housing (700) installed in the housing (10), a detergent case (710) installed in the detergent housing (700) to store liquid detergent, and a detergent introduction module (730) to introduce the liquid detergent stored in the detergent case (710) into the detergent housing (700). As the detergent introduction module (730) is installed on the outer surface of the detergent case (710), placement of electrical components inside the detergent case (710) is avoided.

IPC 8 full level

D06F 39/02 (2006.01); **D06F 33/02** (2006.01)

CPC (source: EP KR US)

D06F 33/37 (2020.02 - KR); **D06F 37/30** (2013.01 - KR); **D06F 39/022** (2013.01 - EP KR US); **D06F 39/12** (2013.01 - KR); **D06F 2105/42** (2020.02 - KR)

Citation (search report)

- [XAI] EP 2251480 A1 20101117 - ELECTROLUX HOME PROD CORP [BE]
- [XA] DE 102009030289 A1 20100107 - WHIRLPOOL CO [US]
- [XAI] DE 102007023065 A1 20081120 - BSH BOSCH SIEMENS HAUSGERAETE [DE]

Cited by

EP3114270A4; EP3192916A1; EP3252205A1; US10648119B2; US11208754B2; US9951461B2; US10125448B2; US10415173B2

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 13168999 A 20130523; AU 2013264545 A 20130522; BR 112014028535 A 20130522; CA 2874018 A 20130522; CN 201310192302 A 20130522; IN 9925DEN2014 A 20141124; KR 20120055359 A 20120524; KR 2013004475 W 20130522; MX 2014014202 A 20130522; RU 2014147012 A 20130522; US 201313900913 A 20130523