

Title (en)
WASHING MACHINE

Title (de)
WASCHMASCHINE

Title (fr)
MACHINE À LAVER

Publication
EP 3470566 A1 20190417 (EN)

Application
EP 17834812 A 20170728

Priority
• JP 2016148896 A 20160728
• JP 2016162817 A 20160823
• JP 2016166774 A 20160829
• JP 2016168935 A 20160831
• JP 2016226345 A 20161121
• JP 2017075230 A 20170405
• KR 2017008159 W 20170728

Abstract (en)
A compact washing machine capable of improving detergency or reducing a washing time is provided. A drum 30 may be rotatably installed in a tub 20 installed in the inside of a housing 10 in the state in which an opening 12 is toward an opening of the drum 30. A pulsator 40 having a protrusion 45 extending in a radial direction may be rotatably installed on a bottom of the drum 30. During washing operation, a controller 60 may control a driving device 50 to rotate the pulsator 40 and the drum 30 in opposite directions.

IPC 8 full level
D06F 37/30 (2006.01); **D06F 37/40** (2006.01)

CPC (source: EP KR US)
D06F 17/10 (2013.01 - EP KR US); **D06F 21/04** (2013.01 - US); **D06F 23/02** (2013.01 - EP US); **D06F 37/04** (2013.01 - EP KR US); **D06F 37/22** (2013.01 - KR); **D06F 37/304** (2013.01 - EP KR US); **D06F 37/40** (2013.01 - EP KR US); **D06F 34/10** (2020.02 - EP); **D06F 37/30** (2013.01 - US); **D06F 37/36** (2013.01 - US); **D06F 37/38** (2013.01 - US); **D06F 2103/46** (2020.02 - EP US); **D06F 2105/46** (2020.02 - US); **D06F 2105/48** (2020.02 - KR US)

Cited by
CN112064292A; EP3733951A1; CN111962251A; EP4156474A1; BE1029797B1; US11773525B2

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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EP 17834812 A 20170728; JP 2017075230 A 20170405; KR 20187030109 A 20170728