

Title (en)
DRUM TYPE WASHING MACHINE

Title (de)
TROMMELWASCHMASCHINE

Title (fr)
MACHINE À LAVER DE TYPE À TAMBOUR

Publication
EP 2042638 A4 20120229 (EN)

Application
EP 07832611 A 20071128

Priority
• JP 2007072889 W 20071128
• JP 2007033085 A 20070214

Abstract (en)
[origin: EP2042638A1] The rotary drum formed in a cylindrical shape having a bottom is installed in the washing tub so that the direction of rotation shaft is set to be horizontal or inclined downward from the horizontal direction from the opened front side to the back side at the bottom. The controller drives the motor rapidly to pivot the rotary drum quickly at a change rate so that the laundry sticks to the inner circumference of the rotary drum by centrifugal force, and the laundry is lifted from the lowest position of the rotary drum, at the position of 0 degree, to the position of less than 180 degrees by surpassing the position of 90 degrees. The motor rotation is braked suddenly at a change rate so that the laundry is peeled off from the inner circumference of the rotary drum, and is dropped to the side opposite the lifting side in the rotary drum. The controller executes this series of operation in a normal and reverse pivot drive mode by repeating normal and reverse rotation alternately.

IPC 8 full level
D06F 33/02 (2006.01); **D06F 37/04** (2006.01)

CPC (source: EP KR US)
D06F 35/006 (2013.01 - EP US); **D06F 37/04** (2013.01 - EP KR); **D06F 37/40** (2013.01 - KR)

Citation (search report)
• [X] EP 1555338 A2 20050720 - SAMSUNG ELECTRONICS CO LTD [KR]
• [X] EP 0373063 A1 19900613 - CIAPEM [FR]
• [A] EP 1602770 A2 20051207 - SAMSUNG ELECTRONICS CO LTD [KR]
• See references of WO 2008099547A1

Cited by
KR20110134343A; US2012174631A1; US8966944B2; US2010058543A1; US2011030149A1; EP3933089A4; EP2465991A4; US2010024137A1; US2011047716A1; EP2149634A3; US8746015B2; US9822473B2; US9932699B2; US8776297B2; US8713736B2; US8763184B2; US12031259B2; EP2496746A4; EP2149634A2; US10533275B2; EP2496749B1; EP2496748B1

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EP 2042638 A1 20090401; EP 2042638 A4 20120229; EP 2042638 B1 20180221; CN 101517141 A 20090826; CN 101517141 B 20110323; JP 2008194255 A 20080828; JP 4100576 B1 20080611; KR 100984583 B1 20100930; KR 20090037860 A 20090416; MY 155034 A 20150828; RU 2398058 C1 20100827; TW 200840905 A 20081016; TW I347988 B 20110901; WO 2008099547 A1 20080821

DOCDB simple family (application)
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