Title (en)
WASHING MACHINE

Title (de)
WASCHMASCHINE

Title (fr)
MACHINE À LAVER

Publication
EP 2216437 A1 20100811 (EN)

Application
EP 08855213 A 20081128

Priority
• JP 2008071728 W 20081128
• JP 2007309192 A 20071129

Abstract (en)
A washing machine according to the present invention is capable of cleaning water to be used in a laundry process while performing the laundry process. A water circulation passage through which water is circulated from a washing tub (3) includes a first water circulation passage (55), a second water circulation passage (57), a U-turn portion (26) and a third water circulation passage (59). A venturi tube (58) is connected to the U-turn portion (26) and the third water circulation passage (59). Ozone-containing cleaning air is supplied to the venturi tube (58) through an air tube (61). The water circulated through the water circulation passage is guided to a position higher than the level (72) of water retained in an outer tub (4) through the second water circulation passage (57), and then caused to swiftly flow down from an upper side through the venturi tube (58) at the position higher than the water level (72). Therefore, the cleaning air supplied from the air tube (61) can be efficiently taken into the circulated water in the venturi tube (58). Thus, the circulated water can be advantageously cleaned.

IPC 8 full level
D06F 39/08 (2006.01); D06F 17/12 (2006.01); D06F 39/10 (2006.01)

CPC (source: EP US)
D06F 39/083 (2013.01 - EP US); D06F 25/00 (2013.01 - EP US); D06F 35/001 (2013.01 - EP US); D06F 35/002 (2013.01 - EP US)

Citation (search report)
See references of WO 2009069784A1

Cited by
CN104185702A; GB2616395A; EP2886704A1; US2017167069A1; US10760200B2; EP2479336A1; EP2792783A3; WO2013092400A1; WO2015096983A1; WO2022146384A3

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2216437 A1 20100811; JP 2009131401 A 20090618; TW 200940776 A 20091001; TW I361237 B 20120401; WO 2009069784 A1 20090604

DOCDB simple family (application)
EP 08855213 A 20081128; JP 2007309192 A 20071129; JP 2008071728 W 20081128; TW 97146128 A 20081128