

Title (en)
SANITARY CLEANING DEVICE

Title (de)
SANITÄRE REINIGUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE NETTOYAGE SANITAIRE

Publication
EP 2312068 A1 20110420 (EN)

Application
EP 09773189 A 20090702

Priority
• JP 2009003082 W 20090702
• JP 2008174160 A 20080703

Abstract (en)
A water pump supplies washing water to a human body washing nozzle at a pressure that fluctuates, and an air pump supplies air to the human body washing nozzle. When a pressure of the air supplied from the air pump exceeds a pressure of the washing water supplied from the water pump, the air is mixed in the washing water. The washing water is parted by the air in a linear flow path of the human body washing nozzle, and the parted washing water is intermittently sprayed from a hole as separate water masses.

IPC 8 full level
E03D 9/08 (2006.01)

CPC (source: EP KR)
E03D 3/00 (2013.01 - KR); **E03D 9/08** (2013.01 - EP KR)

Cited by
EP3739133A3; EP4201280A1; US2023193613A1; EP3995637A1; TWI727569B; TWI727570B

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)
EP 2312068 A1 20110420; EP 2312068 A4 20140730; EP 2312068 B1 20190529; CN 102076918 A 20110525; CN 102076918 B 20121226; ES 2743150 T3 20200218; JP 2010031637 A 20100212; JP 5612836 B2 20141022; KR 101280785 B1 20130705; KR 20110038101 A 20110413; WO 2010001611 A1 20100107

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EP 09773189 A 20090702; CN 200980125902 A 20090702; ES 09773189 T 20090702; JP 2009003082 W 20090702; JP 2009157861 A 20090702; KR 20117002604 A 20090702