

Title (en)
SANITARY WASHING APPARATUS

Title (de)
SANITÄRWASCHVORRICHTUNG

Title (fr)
APPAREIL DE NETTOYAGE SANITAIRE

Publication
EP 3438360 A4 20190417 (EN)

Application
EP 17773770 A 20170215

Priority
• JP 2016065315 A 20160329
• JP 2017005479 W 20170215

Abstract (en)
[origin: EP3438360A1] A sanitary washing apparatus includes the following: a body to be placed on a toilet bowl; a foam generator (560) for generating washing foam; a spray nozzle (550) for spraying at least one of washing water and the washing foam onto the inner surface of the toilet bowl; a spray nozzle driver (550a) for rotating the orientation of the outlet orifice of the spray nozzle (550); and a control unit (130) for controlling at least the operation of the spray nozzle driver (550a). The foam generator (560) includes a foam tank (532), a detergent tank (533), and a detergent pump (534) for supplying detergent in the detergent tank (533) to the foam tank (532). The control unit (130) operates the detergent pump (534) of the foam generator (560) intermittently while the washing foam is being sprayed from the outlet orifice of the spray nozzle (550) into the toilet bowl.

IPC 8 full level
E03D 11/02 (2006.01); **B08B 3/00** (2006.01); **E03D 5/10** (2006.01); **E03D 9/00** (2006.01); **E03D 9/08** (2006.01)

CPC (source: EP)
E03D 9/005 (2013.01); **E03D 9/08** (2013.01)

Citation (search report)
• [A] JP 2008138422 A 20080619 - MATSUSHITA ELECTRIC WORKS LTD
• [A] JP 2001146783 A 20010529 - SEIKO PRECISION KK
• See references of WO 2017169222A1

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)
EP 3438360 A1 20190206; EP 3438360 A4 20190417; EP 3438360 B1 20210707; CN 108699829 A 20181023; CN 108699829 B 20210406; ES 2881804 T3 20211130; JP 2017179772 A 20171005; JP 6704113 B2 20200603; TW 201736686 A 20171016; TW I720132 B 20210301; WO 2017169222 A1 20171005

DOCDB simple family (application)
EP 17773770 A 20170215; CN 201780012389 A 20170215; ES 17773770 T 20170215; JP 2016065315 A 20160329; JP 2017005479 W 20170215; TW 106105435 A 20170218