

Title (en)
SANITARY CLEANING DEVICE

Title (de)
SANITÄRREINIGUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE NETTOYAGE SANITAIRE

Publication
EP 3434837 A1 20190130 (EN)

Application
EP 18184121 A 20180718

Priority
JP 2017143916 A 20170725

Abstract (en)
A sanitary cleaning device (1) including a nozzle (40), a water supply path (50), a backflow prevention mechanism (90), and a solution provision unit (100). The backflow prevention mechanism includes a tank (91) provided on the water supply path, a water inlet port (92) that is communicated with an upstream water supply path (51) on the water supply path and through which water flows into the tank, a water outlet port (93) that is communicated with a downstream water supply path (52) on the water supply path and through which water in the tank flows out to the downstream water supply path, and an overflow port (94) provided to form an air gap between the overflow port and the water inlet port. The solution provision unit includes a provision port (121) through which acid solution is provided by the user, a solution supply path (113) through which the acid solution provided through the provision port circulates, and a solution inlet port (112) through which the acid solution flowing through the solution supply path flows into the tank. The solution supply path of the solution provision unit includes an expansion part in which a flow-path cross-sectional area increases toward the solution inlet port (112).

IPC 8 full level
E03D 9/08 (2006.01)

CPC (source: EP)
E03D 9/08 (2013.01)

Citation (applicant)
JP H07324365 A 19951212 - MATSUSHITA ELECTRIC IND CO LTD

Citation (search report)
• [AD] JP H07324365 A 19951212 - MATSUSHITA ELECTRIC IND CO LTD
• [A] EP 3170940 A1 20170524 - GEBERIT INT AG [CH]

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 3434837 A1 20190130; EP 3434837 B1 20200311; JP 2019027025 A 20190221; JP 6891698 B2 20210618

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EP 18184121 A 20180718; JP 2017143916 A 20170725