

Title (en)
SANITARY CLEANSING DEVICE

Title (de)
SANITÄRE REINIGUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE NETTOYAGE SANITAIRE

Publication
EP 2871295 A4 20151118 (EN)

Application
EP 13813147 A 20130308

Priority
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• JP 2013001514 W 20130308

Abstract (en)
[origin: EP2871295A1] A sanitary cleansing device of the present invention includes: a cleansing nozzle; and a cleansing water flow passage (202) configured to allow cleansing water to flow toward the cleansing nozzle. The cleansing water flow passage (202) has: a displacement pump (14) configured to control a flow rate of the cleansing water; an atmosphere open part (8) disposed at an upstream side of the displacement pump (14), configured to open a part of the cleansing water flow passage (202) to atmosphere, and having a tank for storing the cleansing water, and a water level sensor for detecting a water level in the tank; a solenoid valve (7) configured to pass and block the cleansing water supplied to the atmosphere open part (8); and a controller (4) configured to control the displacement pump (14) and the solenoid valve (7). Consequently, no flow sensor is needed, and it is possible to realize a downsized sanitary cleansing device with no gap with a set flow rate.

IPC 8 full level
E03D 9/08 (2006.01)

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

Citation (search report)
• [A] US 4208746 A 19800624 - MINAMOTO NAOKI [JP], et al
• [A] EP 2163695 A1 20100317 - TOTO LTD [JP]
• [A] DE 202005000084 U1 20050317 - ZUBER HELMUT [DE]
• See references of WO 2014006791A1

Cited by
EP3006634A1; IT201800003589A1; IT201900000643A1; EP3995637A1; WO2023150841A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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