

Title (en)  
SANITARY CLEANING DEVICE

Title (de)  
SANITÄRREINIGUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE NETTOYAGE SANITAIRE

Publication  
**EP 3739133 A3 20210310 (EN)**

Application  
**EP 20184411 A 20140922**

Priority  
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• EP 14851912 A 20140922  
• JP 2014004835 W 20140922

Abstract (en)  
A sanitary washing device comprising: a nozzle device (800) for jetting washing water; a washing water supply passage (900) for supplying the washing water to the nozzle device (800); and a control part (130), wherein the washing water supply passage (900) includes a water pump (516) for supplying washing water to the nozzle device (800), a heat exchanger (700) arranged upstream of the water pump (516) and heating the washing water, an atmosphere open port (603) arranged upstream of the heat exchanger (700) and opening a portion of the washing water supply passage (900) to the atmosphere, a sub tank (600) for maintaining the washing water supply passage (900) to the water pump (516) at an atmospheric pressure, and a water supply connecting port (510) arranged most upstream of the washing water supply passage (900) and being connected to a water pipe, wherein the sub tank (600) includes a water level detection sensor (620) for detecting a water level of the washing water stored in the sub tank (600), the water level detection sensor (620) includes a common electrode (621) and a plurality of water level electrodes (622) on an inner surface of the sub tank (600), the control part (130) is configured to apply a direct current (DC) between the common electrode (621) and the plurality of water level electrodes (622) thus detecting a water level based on a change in voltage, and the common electrode (621) and the plurality of water level electrodes (622) are arranged on different surfaces.

IPC 8 full level  
**E03D 9/08** (2006.01)

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

Citation (search report)  
• [E] EP 3045597 A1 20160720 - PANASONIC IP MAN CO LTD [JP]  
• [A] EP 2163695 A1 20100317 - TOTO LTD [JP]  
• [A] EP 2312068 A1 20110420 - PANASONIC CORP [JP]  
• [A] US 2010125941 A1 20100527 - SHIN KAZUMA [JP], et al

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DOCDB simple family (publication)  
**EP 3056616 A1 20160817; EP 3056616 A4 20161109; EP 3056616 B1 20201125**; CN 105637155 A 20160601; CN 105637155 B 20170811; EP 3739133 A2 20201118; EP 3739133 A3 20210310; EP 3739134 A2 20201118; EP 3739134 A3 20210310; EP 3751065 A2 20201216; EP 3751065 A3 20210414; ES 2856499 T3 20210927; JP 6421340 B2 20181114; JP WO2015052878 A1 20170309; WO 2015052878 A1 20150416

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