

Title (en)
EXCREMENT TREATMENT METHOD AND DEVICE FOR SAME

Title (de)
VERFAHREN ZUR BEHANDLUNG VON EXKREMENTEN UND VORRICHTUNG DAFÜR

Title (fr)
PROCÉDÉ DE TRAITEMENT DES EXCRÉMENTS ET DISPOSITIF CORRESPONDANT

Publication
EP 3574812 A4 20201125 (EN)

Application
EP 18744958 A 20180123

Priority
• JP 2017010928 A 20170125
• JP 2018001876 W 20180123

Abstract (en)
[origin: EP3574812A1] The present invention aims for providing an excrement treatment device capable of directly discharging sewage in a sewage tank to the outside sewers by a compressed air supplied from the excrement treatment device. The present invention includes a step of opening a suction port of a suction valve 44 of a sewage tank 19 and closing a water discharge valve 46 of the sewage tank 19; a step of sucking air in the sewage tank 19 from an air inlet/outlet 45 of the sewage tank 19 and sucking a sewage from a pipe connected to a suction port of the suction valve 44 to store the sewage; a step of closing the suction port of the suction valve 44 of the sewage tank 19 and opening the water discharge valve 46 of the sewage tank 19; and a step of injecting a compressed air into the air inlet/outlet of the sewage tank 19 to discharge the stored sewage to an outside from the water discharge valve 46.

IPC 8 full level
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CPC (source: EP KR US)
A47K 11/04 (2013.01 - EP KR); **A47K 17/026** (2013.01 - EP); **A61G 9/003** (2013.01 - EP); **E03D 1/36** (2013.01 - US); **E03D 5/10** (2013.01 - US); **E03D 7/00** (2013.01 - EP); **E03D 9/052** (2013.01 - EP); **E03D 9/10** (2013.01 - US); **E03D 11/00** (2013.01 - KR); **E03D 11/025** (2013.01 - US); **E03D 11/11** (2013.01 - EP); **E03F 1/006** (2013.01 - EP); **A61G 7/02** (2013.01 - EP)

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Designated contracting state (EPC)
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EP 3574812 A1 20191204; **EP 3574812 A4 20201125**; AU 2018211721 A1 20190905; AU 2018211721 B2 20230427;
CN 110582219 A 20191217; CN 110582219 B 20220607; JP 7065790 B2 20220512; JP WO2018139424 A1 20191212;
KR 102547934 B1 20230626; KR 20190116278 A 20191014; SG 11201907489S A 20190927; US 2020040561 A1 20200206;
WO 2018139424 A1 20180802

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JP 2018564568 A 20180123; KR 20197021863 A 20180123; SG 11201907489S A 20180123; US 201816480313 A 20180123