

Title (en)
FLUSH TOILET

Title (de)
SPÜLTOILETTE

Title (fr)
TOILETTES À CHASSE D'EAU

Publication
EP 4083340 A4 20230125 (EN)

Application
EP 20906681 A 20201214

Priority
• JP 2019233426 A 20191224
• JP 2020046558 W 20201214

Abstract (en)
[origin: EP4083340A1] The problem to be overcome by the present disclosure is to propose a flush toilet designed to reduce the splash of water in a backflow check structure. A flush toilet includes: a bowl; a water discharge port to discharge water into the bowl; a water supply path (3) to supply the water from a water supply source to the water discharge port; and a backflow check structure (4) to check a backflow of the water running through the water supply path (3). The backflow check structure (4) has: a water inlet port (410) communicating with the water discharge port; a water receiving wall (5), through which the water inlet port (410) is provided in a part thereof; and a water outlet port (400) spaced from the water inlet port (410) and the water receiving wall (5) and configured to channel the water supplied from the water supply source toward the water inlet port (410). The water receiving wall (5) is provided, in a part thereof below the water inlet port (410), with a water adhesion reducing portion (9) to reduce the chances of the water adhering to a lower end surface (520) of the water receiving wall (5).

IPC 8 full level
E03D 3/00 (2006.01); **E03C 1/10** (2006.01); **E03D 11/13** (2006.01)

CPC (source: EP)
E03C 1/102 (2013.01); **E03D 3/00** (2013.01); **E03D 11/13** (2013.01)

Citation (search report)
• [XDYI] WO 2019097966 A1 20190523 - PANASONIC IP MAN CO LTD [JP]
• [Y] DE 102012005004 A1 20130919 - NEOPERL GMBH [DE]
• [Y] DE 29615925 U1 19961024 - STIEBEL ELTRON GMBH & CO KG [DE]
• [A] DE 202008011255 U1 20090319 - DOMETIC GMBH [DE]
• See references of WO 2021131858A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4083340 A1 20221102; EP 4083340 A4 20230125; CN 114746613 A 20220712; JP 2021102852 A 20210715; JP 7352798 B2 20230929; WO 2021131858 A1 20210701

DOCDB simple family (application)
EP 20906681 A 20201214; CN 202080084102 A 20201214; JP 2019233426 A 20191224; JP 2020046558 W 20201214