

Title (en)
DRAIN VALVE PUSH BUTTON DEVICE

Title (de)
DRUCKKNOPFVORRICHTUNG FÜR ABLAUFVENTIL

Title (fr)
DISPOSITIF DE BOUTON-POUSOIR POUR SOUPAPE DE VIDANGE

Publication
EP 3587683 A1 20200101 (EN)

Application
EP 19183191 A 20190628

Priority
CN 201810698892 A 20180629

Abstract (en)
A drain valve button push button ensemble for dual flush, the ensemble to be mounted on top of a cistern. The direction of the push buttons (311, 312) can be altered independently from a main body (20) in which the buttons (311,312) are arranged. The ensemble further comprises a bracket (11) for being mounted on a drain valve, a connecting sleeve (40) and a compression bar (50). The main body (20) is in threaded connection with the bracket (11), the push buttons are slidably arranged in an accommodating cavity (21) of the main body (20) and can be rotated relative to the main body. The connecting sleeve (4) is arranged in the main body (20) in an axially movable and rotatably locked manner and is connected with the push buttons (311, 312). The compression bar (50) is rotatably locked with the push buttons (311,312) and is in threaded connection with the connecting sleeve (40); and when the push buttons (311, 312) are operated, the connecting sleeve (40) drives the compression bar (50) to move along the axial direction to drive the drain valve to drain water. When the main body (20) is rotated to form a threaded connection between the main body (20) and the bracket (11) to lock a water tank cover, the push buttons (311,312) do not rotate along with the rotation of the main body (20), therefore the direction of the buttons (311,312) is fixed.

IPC 8 full level
E03D 5/09 (2006.01)

CPC (source: CN EP)
E03D 1/34 (2013.01 - CN); **E03D 5/09** (2013.01 - CN EP)

Citation (search report)

- [A] US 2001042265 A1 20011122 - HAN JOSEPH [US], et al
- [A] CN 201106202 Y 20080827 - ZHONGSHAN MEITU SANITARY WARE [CN]
- [A] CN 107044158 A 20170815 - ZHONGSHAN LEDA SANITARY WARE CO LTD
- [A] CN 2744747 Y 20051207 - XIAMEN NISON PLASTIC INC [CN]

Cited by
CN111877476A; CN113217699A

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 3587683 A1 20200101; **EP 3587683 B1 20210407**; CN 108755879 A 20181106; CN 108755879 B 20240402; ES 2878162 T3 20211118; PL 3587683 T3 20211102; PT 3587683 T 20210705

DOCDB simple family (application)
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