

Title (en)
DRAIN VALVE SWITCH HAVING CLUTCH STRUCTURE, AND DRAIN VALVE

Title (de)
ABLASSVENTILSCHALTER MIT KUPPLUNGSSTRUKTUR UND ABLASSVENTIL

Title (fr)
COMMUTATEUR DE ROBINET DE VIDANGE DOTÉ D'UNE STRUCTURE D'EMBRAYAGE, ET ROBINET DE VIDANGE

Publication
EP 3929366 A1 20211229 (EN)

Application
EP 20758677 A 20200218

Priority
• CN 201920214862 U 20190220
• CN 2020075634 W 20200218

Abstract (en)
The present disclosure provides a drain valve switch with a clutch structure, and a drain valve. The drain valve switch includes a switch body, a switch mounted on the switch body, a thread member, and a linkage member movable between a first position and a second position; when the linkage member is located at the first position, the switch body drives the thread member to rotate through the linkage member, and the switch body is locked or unlocked through the thread member; when the linkage member is located at the second position, the linkage member disconnects the linkage between the switch body and the thread member. When the drain valve switch is assembled or disassembled, the linkage member is placed at the first position, the switch body links the thread member through the linkage member, and the switch body is rotated to drive the thread member to rotate, so that the entire drain valve switch is locked or unlocked on a water tank or another device. The linkage member is adjusted to the second position during normal use. At this time, even if the switch body is rotated, the thread member cannot be driven to screw out of the installation position, so that the drain valve switch is unlikely to be disassembled.

IPC 8 full level
E03D 1/34 (2006.01)

CPC (source: EP)
E03D 5/02 (2013.01); **E03D 5/09** (2013.01); **E03D 1/34** (2013.01); **G05G 1/02** (2013.01)

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 3929366 A1 20211229; **EP 3929366 A4 20220330**; CN 210066925 U 20200214; MA 55035 A 20220330; WO 2020169007 A1 20200827

DOCDB simple family (application)
EP 20758677 A 20200218; CN 201920214862 U 20190220; CN 2020075634 W 20200218; MA 55035 A 20200218