

Title (en)
PRESSURE SWITCH

Title (de)
DRUCKSCHALTER

Title (fr)
COMMUTATEUR DE PRESSION

Publication
EP 3800654 B1 20220413 (EN)

Application
EP 20198846 A 20200929

Priority
JP 2019182628 A 20191003

Abstract (en)
[origin: EP3800654A1] An objective of the present invention is to provide a manually reset type of pressure switch which operates more precisely, including the reset state. The objective is achieved by a pressure switch 1 includes a diaphragm 44 (pressure-sensitive element), a transmission element 62 for transmitting deflection thereof, a microswitch 3 (switching means) for switching its conductive state from a first state to a second state when the transmission element 62 is moved forward to a first position, wherein the microswitch 3 is configured to switch its conductive state from the second state to the first state when the transmission element 62 is moved backward to a second position which is located more backward than the first position, and a positioning means 9 for positioning the transmission element 62 in a forward/backward movement direction D11 to an intermediate position between the first position and the second position, a reset means 10 for releasing positioning the transmission element 62 by the positioning means 9 to bring the transmission element 62 into a free state in which the transmission element 62 is movable along the forward/backward movement direction D11.

IPC 8 full level
H01H 35/26 (2006.01); **H01H 35/34** (2006.01)

CPC (source: CN EP)
H01H 35/26 (2013.01 - CN); **H01H 35/2635** (2013.01 - EP); **H01H 35/2692** (2013.01 - EP); **H01H 35/34** (2013.01 - CN EP)

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

DOCDB simple family (publication)
EP 3800654 A1 20210407; **EP 3800654 B1 20220413**; CN 112614742 A 20210406; JP 2021061094 A 20210415; JP 7122296 B2 20220819

DOCDB simple family (application)
EP 20198846 A 20200929; CN 202011051852 A 20200929; JP 2019182628 A 20191003