

Title (en)

PUSH-BUTTON ARRANGEMENT WITH IDENTIFICATION OF A SWITCHING STATE

Title (de)

TASTSCHALTER-ANORDNUNG MIT KENNZEICHNUNG EINES SCHALTZUSTANDES

Title (fr)

DISPOSITION D'INTERRUPTEUR À BOUTON POUSSOIR AVEC IDENTIFICATION D'UN ÉTAT DE COMMUTATION

Publication

EP 3912179 B1 20240228 (DE)

Application

EP 20700580 A 20200113

Priority

- DE 102019101265 A 20190118
- EP 2020050650 W 20200113

Abstract (en)

[origin: WO2020148208A1] The invention relates to a push-button assembly (1) with means for indicating a switch status, comprising an actuation head (10) for actuating the push-button assembly (1) having a disc-shaped upper part (11) and a tubular lower part (12), and a sleeve-type push-button guide (20), which is coupled to the actuation head (10), such that, in relation to a longitudinal axis (L) of the push-button assembly (1), the upper part (11) is arranged above the push-button guide (20) and the lower part (12) surrounds the push-button guide (20). The push-button assembly (1) also comprises a sleeve-type locking unit (60) for determining a switch status of the push-button assembly (1), which is arranged within the push-button guide (20) in relation to the longitudinal axis (L) and can be transferred between a first and a second locking state by means of the actuation head (10), wherein the locking unit (60) has a plunger sleeve (62) and an annular detent catch coupled to the plunger sleeve (62), which delimit a central through-opening (68) through the locking unit (60) along the longitudinal axis (L) in a given manner.

IPC 8 full level

H01H 13/02 (2006.01); **H01H 3/02** (2006.01); **H01H 9/16** (2006.01); **H01H 9/18** (2006.01)

CPC (source: EP US)

H01H 13/023 (2013.01 - EP US); **H01H 13/14** (2013.01 - US); **H01H 13/56** (2013.01 - US); **H01H 3/022** (2013.01 - EP); **H01H 9/161** (2013.01 - EP); **H01H 9/182** (2013.01 - EP); **H01H 2219/062** (2013.01 - EP US)

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)

WO 2020148208 A1 20200723; CN 113454743 A 20210928; DE 102019101265 A1 20200723; EP 3912179 A1 20211124; EP 3912179 B1 20240228; PL 3912179 T3 20240610; US 11715611 B2 20230801; US 2022093349 A1 20220324

DOCDB simple family (application)

EP 2020050650 W 20200113; CN 202080015441 A 20200113; DE 102019101265 A 20190118; EP 20700580 A 20200113; PL 20700580 T 20200113; US 202017423114 A 20200113