

Title (en)

PUSH ROD LOCK FOR A SWITCHGEAR CABINET HOUSING, CORRESPONDING ARRANGEMENT, AND CORRESPONDING METHOD

Title (de)

SCHUBSTANGENVERSCHLUSS FÜR EIN SCHALTSCHRANKGEHÄUSE SOWIE EINE ENTSPRECHENDE ANORDNUNG UND EIN ENTSPRECHENDES VERFAHREN

Title (fr)

SYSTÈME DE FERMETURE À BARRE COULISSANTE POUR UN BOÎTIER D'ARMOIRE DE DISTRIBUTION, AINSI QU'ENSEMBLE CORRESPONDANT ET PROCÉDÉ CORRESPONDANT

Publication

**EP 3568547 B1 20200610 (DE)**

Application

**EP 18708902 A 20180215**

Priority

- DE 102017106541 A 20170327
- DE 102017114094 A 20170626
- DE 2018100137 W 20180215

Abstract (en)

[origin: CA3053973A1] The invention relates to a push rod lock (1) for a switchgear cabinet housing, comprising a linearly movable push rod (3) arranged on an inner side (2) of a switchgear cabinet door (100) and protruding from the inner side (2), with a coupling member (4), through the switchgear cabinet door (100), a door-locking plate (6) arranged above an outer side (5) of the switchgear cabinet door (100), opposite the inner side (2), being fixed to the switchgear cabinet door (100), with an actuating member (7) coupled to the coupling part (4), by means of a dome head pin connection (8). The actuating member (7), which can be moved between a first opening position and a first closing position, is used to move the push rod (3) between a second opening position and a second closing position, the dome head pin connection (8) being arranged at least in a release position in which the door-locking plate (6) can be removed from the switchgear cabinet door (100) when the push rod (3) is arranged in the second closing position and the actuating member (7) is arranged in an intermediate position between the first opening position and the first closing position, and the dome head pin connection (8) adopts a locking position when the actuating member (7) is moved from the intermediate position into the second closing position when the door-locking plate (6) is placed on the switchgear cabinet door (100) in the release position. The invention further relates to a corresponding arrangement and a corresponding method.

IPC 8 full level

**E05B 65/02** (2006.01); **E05C 9/02** (2006.01)

CPC (source: EP KR RU US)

**E05B 9/08** (2013.01 - EP KR RU); **E05B 65/02** (2013.01 - EP KR RU US); **E05C 9/006** (2013.01 - EP KR RU US); **E05C 9/028** (2013.01 - EP KR RU US); **E05C 9/10** (2013.01 - EP KR RU); **E05C 9/185** (2013.01 - EP KR RU); **E05C 9/22** (2013.01 - EP KR RU); **E05B 9/08** (2013.01 - US); **E05C 9/12** (2013.01 - US); **E05C 9/185** (2013.01 - US); **E05C 9/22** (2013.01 - US); **E05C 2009/1866** (2013.01 - 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)

**DE 102017114094 A1 20180927**; BR 112019017854 A2 20200512; BR 112019017854 B1 20240123; CA 3053973 A1 20181004; CA 3053973 C 20211026; CN 110520584 A 20191129; CN 110520584 B 20210518; EP 3568547 A1 20191120; EP 3568547 B1 20200610; ES 2816475 T3 20210405; HU E050763 T2 20210128; JP 2020510770 A 20200409; JP 6820436 B2 20210127; KR 102262074 B1 20210609; KR 20190127917 A 20191113; MX 2019011459 A 20191101; PL 3568547 T3 20201214; RU 2722638 C1 20200602; UA 122645 C2 20201210; US 11946298 B2 20240402; US 2020032561 A1 20200130; WO 2018177454 A1 20181004; ZA 201905665 B 20200527

DOCDB simple family (application)

**DE 102017114094 A 20170626**; BR 112019017854 A 20180215; CA 3053973 A 20180215; CN 201880021543 A 20180215; DE 2018100137 W 20180215; EP 18708902 A 20180215; ES 18708902 T 20180215; HU E18708902 A 20180215; JP 2019549519 A 20180215; KR 20197031261 A 20180215; MX 2019011459 A 20180215; PL 18708902 T 20180215; RU 2019133151 A 20180215; UA A201910392 A 20180215; US 201816491211 A 20180215; ZA 201905665 A 20190828