

Title (en)

LOCKING DEVICE AND LOCKING METHOD FOR A SWITCH POINT DRIVE AND SWITCH POINT DRIVE

Title (de)

SPERRVORRICHTUNG UND SPERRVERFAHREN FÜR EINEN WEICHENANTRIEB SOWIE WEICHENANTRIEB

Title (fr)

DISPOSITIF DE VERROUILLAGE ET PROCÉDÉ DE VERROUILLAGE POUR ENTRAÎNEMENT D'AIGUILLAGE ET ENTRAÎNEMENT D'AIGUILLAGE

Publication

**EP 4204276 A1 20230705 (DE)**

Application

**EP 21777959 A 20210909**

Priority

- DE 102020212273 A 20200929
- EP 2021074791 W 20210909

Abstract (en)

[origin: WO2022069177A1] The invention relates to a locking device (SpV) for a switch point drive (1) which is provided with an adjustment slider (14) and a hold-fast coupling device (9) for transferring a setting force to the adjustment slider (14), with a locking slider (16) and a locking piece (30) actuated by the locking slider (16) to lock the hold-fast coupling device (9) in an end position in the switch point drive (1). To reliably prevent switch point drive malfunctions, more particularly also in the event of unusual influences/loads, a securing device (SiV) is provided which is configured, in the event that the locking slider (16) moves out of a locking position (164) towards a release position (161), to block the locking piece (30) such that, when the locking device (SpV) is installed in the switch point drive (1), locking of the hold-fast coupling device (9) in the end position thereof by means of the locking piece (30) is ensured at least until the locking slider (16) has reached a predefined intermediate position (162). The invention also relates to a locking method for a switch point drive (1) and a switch point drive (1).

IPC 8 full level

**B61L 5/10** (2006.01); **B61L 5/06** (2006.01)

CPC (source: EP)

**B61L 5/10** (2013.01); **B61L 5/065** (2013.01)

Citation (search report)

See references of WO 2022069177A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**DE 102020212273 A1 20220331**; CN 116194354 A 20230530; EP 4204276 A1 20230705; WO 2022069177 A1 20220407

DOCDB simple family (application)

**DE 102020212273 A 20200929**; CN 202180064866 A 20210909; EP 2021074791 W 20210909; EP 21777959 A 20210909