Title (en)

LADDER POST LOCKING DEVICE FOR EXTENSION LADDER

Title (de)

LEITERBEINVERRIEGELUNGSVORRICHTUNG FÜR AUSFAHRBARE LEITER

Title (fr)

DISPOSITIF DE VERROUILLAGE DE MONTANT D'ÉCHELLE POUR ÉCHELLE À COULISSES

Publication

EP 3613936 A1 20200226 (EN)

Application

EP 17906531 A 20170801

Priority

- CN 201720422027 U 20170420
- CN 2017095417 W 20170801

Abstract (en)

A ladder post locking device (100) for an extension ladder comprises a latch pin (1), a button (2), an indication component (3), a display component (4) and an elastic member (5). The latch pin (1) is movably provided inside a rung (200) of an extension ladder. The button (2) is provided at the rung (200) and used to drive the latch pin (1) to perform a locking operation or an unlocking operation on an upper ladder post (301) and a lower ladder post (302) which are sleeved together. The display component (4) is fixed at an outer side of the rung (200) and has at least two display regions. The indication component (3) moves with a movement of the button (2) or the latch pin (1) to point to the corresponding display region. The ladder post locking device (100) for an extension ladder can indicate whether a ladder post of an extension ladder is locked or unlocked, thereby improving usage safety.

IPC 8 full level

E06C 7/06 (2006.01)

CPC (source: EP GB)

E06C 1/125 (2013.01 - EP); **E06C 7/003** (2013.01 - EP); **E06C 7/06** (2013.01 - EP GB)

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 3613936 A1 20200226; **EP 3613936 A4 20210120**; **EP 3613936 B1 20220330**; CN 206769793 U 20171219; DK 3613936 T3 20220425; GB 201916437 D0 20191225; GB 2576279 A 20200212; GB 2576279 B 20220309; WO 2018192139 A1 20181025

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