

Title (en)
CONNECTING RAIL FOR WINDOW HARDWARE

Title (de)
VERBINDUNGSSTANGE FÜR FENSTERBESCHLAG

Title (fr)
RAIL D'ACCOUPLEMENT POUR QUINCAILLERIE DE FENÊTRE

Publication
EP 4033056 C0 20230802 (EN)

Application
EP 22151330 A 20220113

Priority
BE 202105021 A 20210114

Abstract (en)
[origin: EP4033056A1] The invention relates to a connecting rail or rod for slotting into an opening of a window hardware, the U-shaped rod in cross-section comprising a median longitudinal plane and on either side thereof two legs or longitudinal sides, whereby the rod is provided with a clamping system for locking the rod in a hardware groove of the window profile, whereby the rod is further provided with a coupling zone in the zones of both ends of the rod for coupling with the window hardware, whereby at least one longitudinal side of the rod is provided with several lateral clamping elements or snap-ins spaced from each other for clamping in the rod in the hardware groove, whereby the snap-ins are arc-shaped viewed from above, with an arc which for this purpose is elastically movable, whereby the ends of the arc-shaped snap-in are connected to the at least one longitudinal side, and whereby the rod has a height or thickness such that the upper plane in snapped in condition in the hardware groove does not quite protrude or only slightly protrudes from the hardware groove. The invention also relates to a method for slotting in and locking such rod.

IPC 8 full level
E05B 17/00 (2006.01); **E05C 9/00** (2006.01); **E05C 9/20** (2006.01); **E05C 9/22** (2006.01); **E05C 9/18** (2006.01)

CPC (source: CN EP)
E05B 17/0062 (2013.01 - EP); **E05C 9/006** (2013.01 - EP); **E05C 9/20** (2013.01 - EP); **E05C 9/22** (2013.01 - EP); **E06B 3/42** (2013.01 - CN); **E05C 9/185** (2013.01 - 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

Participating member state (EPC – UP)
AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)
EP 4033056 A1 20220727; **EP 4033056 B1 20230802**; **EP 4033056 C0 20230802**; BE 1029013 A1 20220809; BE 1029013 B1 20220816; CN 114763727 A 20220719; ES 2953396 T3 20231110; PL 4033056 T3 20240205

DOCDB simple family (application)
EP 22151330 A 20220113; BE 202105021 A 20210114; CN 202210043355 A 20220114; ES 22151330 T 20220113; PL 22151330 T 20220113