Title (en)
RAIL SLIDER FOR A CABLE-TYPE WINDOW LIFTER OF A MOTOR VEHICLE

Title (de)
SCHIENENGLEITER FÜR EINEN SEILFENSTERHEBER EINES KRAFTFAHRZEUGS

Title (fr)
GUIDE DE RAIL POUR UN LÈVE-VITRE À CÂBLE D'UN VÉHICULE AUTOMOBILE

Publication
EP 3555400 B1 20220907 (DE)

Application
EP 17822260 A 20171219

Priority
• DE 202016107095 U 20161219
• EP 2017083474 W 20171219

Abstract (en)
[origin: WO2018114904A1] The present invention relates to a rail slider for a cable-type window lifter of a motor vehicle having a basic body (1a) which is intended to be displaced, in engagement with a guide rail of the cable-type window lifter, along this guide rail, and having a retaining bracket (2a) which is resiliently attached to the basic body (1a) via a base (10a) and which has a latching hook (210a) at its upper end, wherein the latching hook (210a) is intended to engage in a latching opening present in the window pane F and be supported by a stop surface (210'a) on the contour of the latching opening, wherein the retaining bracket (2a) has two lateral webs (20a) and a transverse connecting element (21a) with a latching hook (210a), wherein the lateral webs (20a) of the retaining bracket (2) are attached to the base (10a) of the basic body, wherein the ratio of the clear width (Z2a) between the inner surfaces of the lateral webs (20a) of the retaining bracket (2a) and the distance (Z1a) between the stop surface (110a) of the lower edge F1 of the window pane F, on the one hand, and the stop surface (210'a) of the latching hook (210a), on the other hand, assumes at most the value $Z2a/Z1a \le 1.2$; and/or the ratio of the clear width (Z2a) between the inner surfaces of the lateral webs (20a) of the retaining bracket (2a) and the lever length (Z3a) between the base-side virtual pivot axis (S4) of the retaining bracket (2a), on the one hand, and the stop surface (210'a) of the latching hook (210a), on the other hand, assumes at most the value $Z2a/Z3a \le 0.5$, and the transverse connecting element (21a) of the retaining bracket (2a) is designed to be substantially arcuate in such a way that the inwardly pointing arc composed of the radii (r1a, r2a, r3a) has no rectilinear segments L2 which are longer than 0.3 times the width (b1a) of the lateral webs (20a) ($L2a/b1a \le 0.3$).

IPC 8 full level
E05F 11/38 (2006.01); **E05F 11/48** (2006.01)

CPC (source: EP US)
E05F 11/385 (2013.01 - EP US); **E05F 11/483** (2013.01 - US); E05F 11/483 (2013.01 - EP); E05F 2011/387 (2013.01 - EP US);
E05Y 2900/55 (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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 202016107095 U1 20180321; CN 110088421 A 20190802; CN 110088421 B 20210316; EP 3555400 A1 20191023;
EP 3555400 B1 20220907; MA 48716 A 20200408; US 11118390 B2 20210914; US 2020386027 A1 20201210; WO 2018114904 A1 20180628

DOCDB simple family (application)
DE 202016107095 U 20161219; CN 201780078240 A 20171219; EP 17822260 A 20171219; EP 2017083474 W 20171219;
MA 48716 A 20171219; US 201716471236 A 20171219