

Title (en)
TOOL SLIDE

Title (de)
WERKZEUGSCHIEBER

Title (fr)
COULISSEAU PORTE-OUTIL

Publication
EP 3113941 A1 20170111 (DE)

Application
EP 15709661 A 20150305

Priority
• DE 102014102998 A 20140306
• EP 2015054663 W 20150305

Abstract (en)
[origin: WO2015132356A1] The invention relates to a tool slide, in particular a wedge drive, at least comprising a slide bed (2) and a slide part, wherein the slide part (3) is arranged on the slide bed (2) in a sliding manner by way of a prism guide, and a groove and a rib (15) projecting into the groove are provided, wherein at least one sliding element (8) is provided between the rib (15) and the groove (5), wherein a driver (4) that is removable from the slide part (3) is provided and a prism guide made of inclined elements (17) of the slide body (3) and corresponding oblique faces (18) of the driver (4) likewise exists between the slide part (3) and the driver in the fitted state, wherein a prism guide or flat guide is formed between the slide bed (2) and the slide body (3) such that sliding elements (8) of the slide bed (2) and corresponding sliding elements (14) of the slide body (3) are arranged in an inclined manner with respect to an x axis (13) in the case of a prism guide or in a perpendicular manner in the case of a flat guide, wherein the sliding element (8) has, in the direction of the groove (5), a wedge-like bevelled face (22) by way of which it bears against a corresponding face (19) of the groove wall (5), and the corresponding groove wall (19) has a corresponding wedge-like bevel such that axial movement of the sliding element (8) corresponding to a longitudinal axis direction (23) reduces or increases the size of a gap (25) between the rib (15) and sliding element (8).

IPC 8 full level
B30B 1/40 (2006.01); **B21D 28/32** (2006.01)

CPC (source: CN EP KR US)
B21D 28/325 (2013.01 - EP KR US); **B30B 1/40** (2013.01 - CN EP KR US); **B30B 15/026** (2013.01 - KR)

Citation (search report)
See references of WO 2015132356A1

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)
WO 2015132356 A1 20150911; CN 106103069 A 20161109; CN 106103069 B 20180803; DE 112015000008 A5 20151119; DE 112015000008 B4 20160310; EP 3113941 A1 20170111; EP 3113941 B1 20180509; ES 2683496 T3 20180926; JP 2017507036 A 20170316; KR 20160129901 A 20161109; US 2017014890 A1 20170119

DOCDB simple family (application)
EP 2015054663 W 20150305; CN 201580012354 A 20150305; DE 112015000008 T 20150305; EP 15709661 A 20150305; ES 15709661 T 20150305; JP 2016572908 A 20150305; KR 20167027681 A 20150305; US 201515124004 A 20150305