

Title (en)

TIGHTENING DEVICE AND METHOD OF ADJUSTING A SLIDABLE DOOR OF A VEHICLE

Title (de)

MONTAGEVORRICHTUNG UND VERFAHREN ZUM JUSTIEREN EINER SCHIEBETÜR EINES FAHRZEUGS

Title (fr)

DISPOSITIF DE SERRAGE ET PROCÉDÉ DE RÉGLAGE D'UNE PORTE COULISSANTE D'UN VÉHICULE

Publication

**EP 3520966 A1 20190807 (EN)**

Application

**EP 18155033 A 20180205**

Priority

EP 18155033 A 20180205

Abstract (en)

A tightening device (21) for tightening or loosening a bolt (18) arranged in a cavity with limited clearance ( $\Delta y$ ,  $\Delta z$ ), comprising: a ring gear (23) having outer teeth and having inner ridges (28); a driving gear set (24, 25, 26) comprising a driving gear (26) and at least one intermediate gear (24); the intermediate gear (24) located between the driving gear (26) and the ring gear (23); the ring gear (23) and the intermediate gear (24) accommodated in a metal housing comprising a half-disk-shaped housing portion (29) and a rectangular beam-shaped housing portion (30), having a height (H) of at most 5 mm, and made of tempered steel having a hardness of about 40 HRC. A method of adjusting a position of a slideable door (12) mounted to a vehicle body (11).

IPC 8 full level

**B25B 13/48** (2006.01); **B25B 17/00** (2006.01); **B25B 21/00** (2006.01)

CPC (source: EP)

**B25B 13/481** (2013.01); **B25B 17/00** (2013.01); **B25B 21/002** (2013.01); **B25B 21/004** (2013.01)

Citation (applicant)

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Citation (search report)

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Cited by

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Designated contracting state (EPC)

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