

Title (en)

DOOR HANDLE ASSEMBLY WITH PREBIASED PLATES

Title (de)

GRIFFEINHEIT MIT VORGESPANNTEN PLATTEN

Title (fr)

ENSEMBLE DE POIGNÉES DE PORTE À PLAQUES PRECONTRAINTES

Publication

**EP 3234283 B1 20190206 (FR)**

Application

**EP 15828825 A 20151216**

Priority

- FR 1402922 A 20141217
- FR 2015000230 W 20151216

Abstract (en)

[origin: WO2016097500A1] The present invention relates to an assembly of door handles comprising two plates (1, 5) each having an opening passing therethrough, two handles (2, 3), a means (8) for connecting the two handles that passes through said opening, and a tightening means (4). Each of said plates (1, 5) comprises at least two means (7) for piercing the door distributed on either side of said opening, wherein said opening is the only opening passing through each plate (1, 5), wherein said connection means (8) comprises a screw connection means matching a screw means (4) freely connected to the opposite handle (2), wherein the assembly of the screw means (4) and the connection means (8) forms a tightening means via the mutual pulling force of both handles (2, 3) and both plates (1, 5) and anchors the piercing means (7) in the door. Said plates (1, 5) are deformable and are bent, in the original state thereof, into an elastically prestressed shape so that said piercing means (7) are attached in the inner curve of said plates in the original state thereof.

IPC 8 full level

**E05B 3/04** (2006.01); **E05B 3/06** (2006.01); **E05B 15/02** (2006.01)

CPC (source: EP)

**E05B 3/04** (2013.01); **E05B 3/06** (2013.01); **E05B 15/02** (2013.01)

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

DOCDB simple family (publication)

**WO 2016097500 A1 20160623**; EP 3234283 A1 20171025; EP 3234283 B1 20190206; ES 2724561 T3 20190912; FR 3030601 A1 20160624; FR 3030601 B1 20170512; PL 3234283 T3 20190830; PT 3234283 T 20190528

DOCDB simple family (application)

**FR 2015000230 W 20151216**; EP 15828825 A 20151216; ES 15828825 T 20151216; FR 1402922 A 20141217; PL 15828825 T 20151216; PT 15828825 T 20151216