

Title (en)  
ROD HANDLE FOR FIXTURES

Title (de)  
STANGENGRIF FÜR BEFESTIGUNGEN

Title (fr)  
POIGNÉE À TRINGLE POUR INSTALLATIONS

Publication  
**EP 3708748 B1 20220406 (EN)**

Application  
**EP 20161416 A 20200306**

Priority  
IT 201900003557 A 20190312

Abstract (en)  
[origin: EP3708748A1] Rod handle for fixtures, comprising: - a fixing base (2) that is intended to be rigidly fixed to a fixture and extends in plan in a longitudinal direction (X-X) and in a transverse direction (Y-Y), which is orthogonal to said longitudinal direction (X-X); - a cogwheel (10), which is rotationally connected to the fixing base (2) such that its axis of rotation (Z1-Z1) is orthogonal to said base; - at least one first operating rod (11), a toothed portion (11a) of which meshes with said cogwheel (10) so as to form a rack-pinion system together with said cogwheel, and is movable in a translational manner with respect to said fixing base (2) in parallel with said longitudinal direction (X-X) following rotational movements of the cogwheel (10), said first operating rod (11) being intended to be connected to a fixture closing system in order to operate it by means of its translational movements; and - a gripping handle (20), which is rotationally movable with respect to said fixing base (2) between a first and a second angular position and is kinematically connected to said cogwheel (10) to drag said wheel in rotation as it passes between said two angular positions. Said cogwheel (10) and said first operating rod (11) have overall transverse plan dimensions not exceeding the transverse extension of the fixing base (2). Said gripping handle (20) is kinematically connected to said cogwheel (10) by a bevel gear transmission system (31, 32), wherein: - the driving bevel wheel (31) of said bevel gear is integrally fixed to said gripping handle (20) for conjoint rotation in order to be rotated by the rotational movements of said gripping handle between said first and second angular positions; and - the driven bevel wheel (32) of said bevel gear is integrally fixed to said cogwheel (10) for conjoint rotation. The driving bevel wheel (31) and the associated gripping handle (20) are rotationally supported by a containment structure (40) that is fixed to said fixing base (2). Said bevel gear transmission system (31, 32) has a transmission ratio lower than 1.

IPC 8 full level  
**E05C 9/04** (2006.01); **E05B 7/00** (2006.01); **E05B 65/00** (2006.01)

CPC (source: EP)  
**E05B 7/00** (2013.01); **E05B 65/0025** (2013.01); **E05C 9/041** (2013.01); **E05B 15/02** (2013.01)

Cited by  
CN112065200A

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)  
**EP 3708748 A1 20200916**; **EP 3708748 B1 20220406**; IT 201900003557 A1 20200912

DOCDB simple family (application)  
**EP 20161416 A 20200306**; IT 201900003557 A 20190312