

Title (en)

Cremone bolt for opening and closing door or window frames

Title (de)

Treibstange zum Öffnen und Schließen von Türen- oder Fensterrahmen

Title (fr)

Boulon en crémonne pour l'ouverture et la fermeture de cadres de portes ou fenêtres

Publication

EP 2386703 A1 20111116 (EN)

Application

EP 11165409 A 20110510

Priority

IT MI20100837 A 20100511

Abstract (en)

A cremone bolt (1) for opening and closing door or window frames, comprising a handle in turn comprising a case (2) intended to be applied on a movable door or window frame and a manoeuvring shaft (3) mounted pivotally on said case (2) around a rotation axis (A), in which within said case (2) a pinion (4), which is pivotally mounted around said rotation axis (A) is integrally constrained, at least in rotation, to said manoeuvring shaft (3) and engages with at least a rack (5) that is slidably associated to said case (2) in both directions of a straight line (R) orthogonal to said rotation axis (A) and parallel to at least a manoeuvring rod (6) of the cremone bolt, the cremone bolt also comprising at least an actuating element (7) which is connectable to said manoeuvring rod (6) and that is associated to said rack (5) in a slidable manner in both directions of a straight line parallel to said straight line (R) and adjusting and fastening means of the position of said actuating element (7) with respect to said rack (5).

IPC 8 full level

E05B 7/00 (2006.01); **E05B 63/00** (2006.01); **E05C 9/02** (2006.01)

CPC (source: EP)

E05B 7/00 (2013.01); **E05B 63/0056** (2013.01); **E05C 9/021** (2013.01); **E05Y 2900/546** (2013.01)

Citation (search report)

- [A] EP 0446566 A1 19910918 - GIESSE SPA [IT]
- [A] EP 1103684 A1 20010530 - WINKHAUS FA AUGUST [DE]
- [A] DE 202009007797 U1 20090827 - ROTO FRANK AG [DE]
- [A] EP 1387030 A1 20040204 - GSG INT SPA [IT]

Cited by

KR101427515B1

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)

EP 2386703 A1 20111116; **EP 2386703 B1 20151111**; IT 1399927 B1 20130509; IT MI20100837 A1 20111112

DOCDB simple family (application)

EP 11165409 A 20110510; IT MI20100837 A 20100511