

Title (en)

Operating device for a tilt and turn door or window

Title (de)

Betriebsgerät für eine Dreh-Kipp- Tür oder Fenster

Title (fr)

Dispositif de commande pour une porte ou fenêtre pivotante-basculante

Publication

EP 2821577 A1 20150107 (EN)

Application

EP 14175032 A 20140630

Priority

IT BO20130347 A 20130704

Abstract (en)

Described is an operating device for a tilt and turn door or window (1), the door or window (1) comprising: a fixed frame (2) and a movable sash (3) connected to each other along a corresponding upright (4, 5) by a pair of hinges, a lower hinge (6) and an upper hinge (7), and both provided with a perimeter groove (8, 9); a control handle (10) mounted on the upright (11) of the sash (3) opposite to that connected to the fixed frame (2); operating means (12) mounted on the sash (3) and operatively connected, in use, to the handle (10) through the agency of drive rods (13) which are slidable inside the perimeter groove (9) of the sash (3) to allow the sash (3) to selectively pass from a closed to a tilted or turned open configuration; the operating means (13) comprise a drive rod (13a) operatively connected to the handle (10) and mounted and slidable in the groove (9) of an upper crosspiece (15) of the sash (3); the rod (13a) has a first portion (16) of reduced width; this first portion (16) of reduced width is formed directly on the drive rod (13a) to obtain a closed stretch thereof and extending for a defined length (L); a slider (17) housed in the groove (9) of the upper crosspiece (15) of the sash (3) and slidable in the first, reduced-width portion (16) of the drive rod (13a) so as to obtain, in use, a predefined stroke for the slider (17) between at least two end positions corresponding to the closed configuration of the sash (3) and to the tilted open configuration of the sash (3); a single operating arm (18) pivoted at one end to the slider (17) and, at the opposite end, to the fixed frame (2) so that, in the tilted open configuration, the upper crosspiece (15) of the sash (3) can be moved away from the fixed frame (2) by the effect of a combined roto-translation between the single arm (18) and the slider (17) slidable along and inside the first reduced-width portion (16) of the rod (13a).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [A] EP 2080863 A1 20090722 - VAN PARYS REMI EMIEL [BE]
- [YA] FR 2682424 A3 19930416

Cited by

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Designated contracting state (EPC)

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