

Title (en)

Turnable and tiltable window with opening possibilities.

Title (de)

Drehkippfenster mit drei Öffnungsmöglichkeiten.

Title (fr)

Fenêtre oscillobattante à trois modes d'ouverture.

Publication

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Application

EP 88440058 A 19880706

Priority

FR 8802672 A 19880229

Abstract (en)

Turn-and-tilt window, in which the wing fits completely into the fixed frame, with the casement and fixed frame being aligned flush with one another, and which has a third so-called "ventilation" opening mode. Its fitting comprises a single four-position control member (24) connected by means of rods (20) to two sets of two articulated links, of which one (13, 14) is fastened to the upper crosspieces of the fixed frame (2) and of the wing (1) and the other (15, 16) to the lower crosspieces of the fixed frame (2) and of the wing (1), these two sets of links each being composed of a link (13) and (15) connecting the fixed frame (2) to the wing (1) by means of two pivots (18) and (19) or (22) and (23), and of a link (14) and (16) connecting the link (13) and (15) to the fixed frame (2) by means of pivots (17) and (19') or (21) and (23'), the links (13) and (15) each having a multi-directional groove (26) and (29), inside which can be displaced a dog (11) and (12) connected by means of the rods (20) to the control member (24) and likewise capable of being displaced in a groove (27) and (31) made in a plate fixed to the wing (1), the dog (11) and (12) being capable, as a function of the four positions of the control member (24), of occupying four positions (A, B, C, D) corresponding respectively to the locking of the wing (1) and to the three possible opening modes. <IMAGE>

Abstract (fr)

Fenêtre oscillobattante dans laquelle l'ouvrant s'encastre complètement dans le dormant, avec alignement à fleur des cadres ouvrant et dormant, et comportant un troisième mode d'ouverture dit "de ventilation". Sa ferrure comprend un unique organe de commande (24) à quatre positions relié, au moyen de tringles (20), à deux jeux de deux biellettes articulées dont l'un (13, 14) est fixé aux traverses hautes du dormant (2) et de l'ouvrant (1) et l'autre (15, 16) aux traverses basses du dormant (2) et de l'ouvrant (1), ces deux jeux de biellettes se composant chacun d'une biellette (13), respectivement (15), reliant le dormant (2) à l'ouvrant (1) au moyen de deux pivots (18) et (19), respectivement (22) et (23), et d'une biellette (14), respectivement (16), reliant la biellette (13), respectivement (15), au dormant (2) au moyen de pivots (17) et (19'), respectivement (21) et (23'), les biellettes (13) et (15) comportant chacune une rainure multi-directionnelle (26), respectivement (29), à l'intérieur de laquelle peut se déplacer un ergot (11), respectivement (12), relié par les tringles (20) à l'organe de commande (24) et également susceptible de se déplacer dans une rainure (27), respectivement (31), ménagée dans une plaque solidaire de l'ouvrant (1), l'ergot (11), respectivement (12), pouvant occuper, en fonction des quatre positions de l'organe de commande (24), quatre positions (A, B, C, D) correspondant respectivement au verrouillage de l'ouvrant (1) et aux trois modes d'ouverture possibles.

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Citation (search report)

- [A] DE 3442364 C1 19910124 - HAUTAU GMBH W
- [A] DE 1124390 B 19620222 - KOLLER METALLBAU AG
- [A] AT 366757 B 19820510 - LAPP FINZE AG [AT], et al
- [A] FR 2510649 A1 19830204 - SIEGENIA FRANK KG [DE]
- [A] AT 304842 B 19730125 - GRETSCH UNITAS GMBH [DE]
- [A] FR 1501639 A 19671110

Cited by

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