

Title (en)

An improved pivot window with at least one auxiliary opening device

Title (de)

Gelenkbeschlag für ein Drehfenster

Title (fr)

Ferrure d'articulation pour une fenêtre pivotante

Publication

**EP 2280143 A2 20110202 (EN)**

Application

**EP 10181028 A 20040819**

Priority

- EP 04762775 A 20040819
- DK PA200301182 A 20030820
- EP 04388045 A 20040702
- EP 10181028 A 20040819

Abstract (en)

The sash (2) of the window is connected with the frame (1) by means of a hinge device including a set of pivot hinges (12) defining a hinge axis of the window. The hinges are mounted in such a position that the hinge axis is situated between a centre line of the window and the top or bottom of the window. The window is provided with a least one auxiliary opening device comprising a spring, preferably connected to the hinge device.

IPC 8 full level

**E04D 13/035** (2006.01); **E05D 1/04** (2006.01); **E05D 7/082** (2006.01); **E05D 7/084** (2006.01); **E05D 7/086** (2006.01); **E05F 1/10** (2006.01)

CPC (source: EP)

**E04D 13/0354** (2013.01); **E05D 7/084** (2013.01); **E05D 7/086** (2013.01); **E05F 1/1091** (2013.01); **E05D 1/04** (2013.01); **E05Y 2201/426** (2013.01); **E05Y 2900/152** (2013.01)

Citation (applicant)

- EP 0679774 A1 19951102 - ROTO FRANK AG [DE]
- EP 0679775 A1 19951102 - ROTO FRANK AG [DE]
- EP 0679776 A1 19951102 - ROTO FRANK AG [DE]
- EP 0972885 A1 20000119 - ROTO FRANK AG [DE]
- EP 1038083 A1 20000927 - VELUX IND AS [DK]

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DOCDB simple family (publication)

**EP 1508663 A1 20050223**; **EP 1508663 B1 20060809**; AT E335907 T1 20060915; AT E347641 T1 20061215; CN 1836084 A 20060920; CN 1836084 B 20120118; CN 1853025 A 20061025; CN 1853025 B 20110330; CN 2734947 Y 20051019; CN 2734948 Y 20051019; DE 602004001822 D1 20060921; DE 602004001822 T2 20070329; DE 602004003591 D1 20070118; DE 602004003591 T2 20071011; EP 1656484 A1 20060517; EP 1656484 B1 20061206; EP 1685304 A1 20060802; EP 1685304 B1 20140723; EP 2280143 A2 20110202; EP 2280143 A3 20110427; EP 2280143 B1 20160330; ES 2270325 T3 20070401; PL 1508663 T3 20061229; PL 1656484 T3 20070531; PL 1685304 T3 20141231; WO 2005019562 A1 20050303

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**EP 04388056 A 20040819**; AT 04388056 T 20040819; AT 04762774 T 20040819; CN 200420087087 U 20040820; CN 200420087096 U 20040820; CN 200480023341 A 20040819; CN 200480023344 A 20040819; DE 602004001822 T 20040819; DE 602004003591 T 20040819; DK 2004000550 W 20040819; EP 04762774 A 20040819; EP 04762775 A 20040819; EP 10181028 A 20040819; ES 04388056 T 20040819; PL 04388056 T 20040819; PL 04762774 T 20040819; PL 04762775 T 20040819