

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 B1 20160330 (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)

[origin: EP2280143A2] 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)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

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

DOCDB simple family (application)

**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