

Title (en)

Compact carriage for a wing with a parallel offset and secured position

Title (de)

Kompakter Laufwagen für einen Fluegel mit einer parallel-abgestellten, gesicherten Lage

Title (fr)

Chariot compact pour un battant ayant une position de déplacement parallèle sécurisée

Publication

**EP 2538009 B1 20170628 (DE)**

Application

**EP 12175677 A 20091015**

Priority

- EP 09173096 A 20091015
- EP 09150358 A 20090111
- EP 12175677 A 20091015

Abstract (en)

[origin: EP2216472A2] The carriage has a control section (40) in a longitudinal direction of a housing area (10). A lateral end section of a control arm is pushed from a position. The arm has straight and curved sections (35a, 35b), and an extension arm (30) is thicker than the control arm in a swiveled-in position. The extension arm is elongated in a position or section deviated from the area. Dual bolts are provided as upwardly protruding projections (39a) detached from the engaged position and as downwardly protruding projections for guides at an end region of the control arm. An independent claim is also included for a method for longitudinally moving a door leaf into a parallel supported position.

IPC 8 full level

**E05D 15/10** (2006.01)

CPC (source: EP)

**E05D 15/1013** (2013.01); **E05D 2015/1031** (2013.01); **E05F 11/145** (2013.01); **E05Y 2201/418** (2013.01); **E05Y 2201/48** (2013.01); **E05Y 2201/614** (2013.01); **E05Y 2201/624** (2013.01); **E05Y 2201/64** (2013.01); **E05Y 2600/56** (2013.01); **E05Y 2800/74** (2013.01); **E05Y 2900/148** (2013.01)

Citation (opposition)

Opponent : Roto Frank AG

- EP 0619410 A1 19941012 - HAUTAU GMBH W [DE]
- EP 1388631 A2 20040211 - HETTICH HEINZE GMBH & CO KG [DE]
- DE 202004019098 U1 20060413 - WEBER & CO GMBH KG [DE]
- DE 567048 C 19321227 - WILHELM HAUTAU
- DE 19539014 A1 19960523 - LINDER GMBH A [DE]
- DE 202005007687 U1 20060928 - WEBER & CO GMBH KG [DE]
- EP 1936084 A2 20080625 - HAUTAU GMBH [DE]
- EP 0916794 A2 19990519 - VELUX IND AS [DK]
- DE 3234677 A1 19840322 - GRETSCH UNITAS GMBH [DE]
- DE 8435367 U1 19850411
- DE 102012202986 A1 20130829 - ROTO FRANK AG [DE]

Cited by

WO2017144193A1; DE102017003073A1; DE202016001162U1; EP3428376A1; DE102017115823A1

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

**EP 2216472 A2 20100811; EP 2216472 A3 20110706; EP 2216472 B1 20120711**; DE 202009019144 U1 20170203; DK 2216472 T3 20121022; DK 2538009 T3 20171009; EP 2538009 A2 20121226; EP 2538009 A3 20160420; EP 2538009 B1 20170628; EP 3216959 A1 20170913; EP 3216959 B1 20220810; ES 2641947 T3 20171114; HR P20171399 T1 20171103; HU E035800 T2 20180528; LT 2538009 T 20170825; PL 2216472 T3 20121130; PL 2538009 T3 20171229; PL 3216959 T3 20221121; PT 2538009 T 20170918; SI 2538009 T1 20171030

DOCDB simple family (application)

**EP 09173096 A 20091015**; DE 202009019144 U 20091015; DK 09173096 T 20091015; DK 12175677 T 20091015; EP 12175677 A 20091015; EP 17169549 A 20091015; ES 12175677 T 20091015; HR P20171399 T 20170915; HU E12175677 A 20091015; LT 12175677 T 20091015; PL 09173096 T 20091015; PL 12175677 T 20091015; PL 17169549 T 20091015; PT 12175677 T 20091015; SI 200931720 T 20091015