

Title (en)

COMPACT CARRIAGE FOR A LONGITUDINALLY MOVABLE, HEAVY DOOR LEAF

Title (de)

KOMPAKTER LAUFWAGEN FUER EINEN LAENG-S-BEWEGLICHEN, SCHWEREN FLUEGEL

Title (fr)

CHARIOT COMPACT POUR BATTANT DE POIDS ÉLEVÉ POUVANT EFFECTUER UN DÉPLACEMENT LONGITUDINAL

Publication

EP 2384386 A2 20111109 (DE)

Application

EP 10701734 A 20100111

Priority

- IB 2010050084 W 20100111
- DE 102009004013 A 20090111
- EP 09150358 A 20090111
- EP 09173096 A 20091015
- EP 10701734 A 20100111

Abstract (en)

[origin: WO2010079461A2] The invention relates to a carriage and to a method for longitudinally moving a door leaf into a parallel stored position. In order to obtain a compact design in spite of castors (20, 21) having a large diameter, a housing area (10) having at least two of the castors (20, 21) and a support location (16) for supporting an extension arm (30) in a swiveling manner is provided. For the parallel storing of the door leaf, the extension arm (30) comprises a far support location (100) for the door leaf and a support location (38) closer to the housing area (10) for an end of a control arm (35). A control section (40, 41) is continued in a longitudinal direction of the housing area (10) and comprises a guide (41) for the other end area of the control arm (35). The extension arm (30) completely covers the control arm (35) in a swiveled-in position when the extension arm is viewed in the horizontal direction. At the same time, the control arm (35) is located in a swivel plane that is located offset in parallel below a top side and offset in parallel above a bottom side of the extension arm (30). The carriage thus becomes compact and effective at the same time.

IPC 8 full level

E05D 15/10 (2006.01)

CPC (source: EP KR)

E05D 15/10 (2013.01 - KR); **E05D 15/1013** (2013.01 - EP); **E05D 15/40** (2013.01 - KR); **E05D 2015/1031** (2013.01 - EP); **E05Y 2900/148** (2013.01 - EP)

Citation (search report)

See references of WO 2010079461A2

Citation (third parties)

Third party :

EP 1388631 A2 20040211 - HETTICH HEINZE GMBH & CO KG [DE]

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)

WO 2010079461 A2 20100715; WO 2010079461 A3 20100923; CN 102348862 A 20120208; CN 102348862 B 20150311; DK 2384386 T3 20170606; EP 2384386 A2 20111109; EP 2384386 B1 20170301; ES 2626429 T3 20170725; HR P20170788 T1 20170811; HU E034462 T2 20180228; KR 101520993 B1 20150515; KR 20110133549 A 20111213; LT 2384386 T 20170410; PL 2384386 T3 20170831; PT 2384386 T 20170609; RU 2011131154 A 20130220; RU 2526006 C2 20140820; SI 2384386 T1 20170731

DOCDB simple family (application)

IB 2010050084 W 20100111; CN 201080011788 A 20100111; DK 10701734 T 20100111; EP 10701734 A 20100111; ES 10701734 T 20100111; HR P20170788 T 20170526; HU E10701734 A 20100111; KR 20117017952 A 20100111; LT 10701734 T 20100111; PL 10701734 T 20100111; PT 10701734 T 20100111; RU 2011131154 A 20100111; SI 201031464 A 20100111