

Title (en)

Hinge for a frame

Title (de)

Scharnier für einen Rahmen

Title (fr)

Charnière pour un cadre

Publication

**EP 1835101 B1 20091125 (EN)**

Application

**EP 07103982 A 20070313**

Priority

IT UD20060059 A 20060314

Abstract (en)

[origin: EP1835101A2] Hinge (10) for articulating a closing element (12) with respect to a fixed Structure (14), comprising: two terminal hinging elements (16, 18) able to be fixed to the fixed structure (14); an intermediate hinging element (20) mounted between the two terminal elements (16, 18) and able to be fixed to the closing element (12); and two pins (50, 52) able to pivot axially with respect to each other the three elements (16, 18, 20) along the same pivoting axis (I). The intermediate element (20) comprises a central cavity (32) with a development substantially orthogonal with respect to the pivoting axis (I), and able to house a regulation element (34), which in turn is disposed in cooperation with the closing element (12), and can be driven so as to modify the distance between the closing element (12) and the pivoting axis (I). The intermediate element (20) also comprises two seatings (40, 42), which are disposed on opposite sides with respect to the central cavity (32), have a development substantially parallel to the pivoting axis (I), and into each of which a pin (50, 52) is inserted, in order to allow the articulation of the closing element (12) with respect to the fixed structure (14).

IPC 8 full level

**E05D 5/12** (2006.01); **E05D 7/00** (2006.01); **E05D 7/04** (2006.01); **E05D 5/02** (2006.01); **E05D 5/10** (2006.01); **E05D 5/14** (2006.01); **E05D 7/10** (2006.01); **E05D 11/04** (2006.01)

CPC (source: EP)

**E05D 7/0027** (2013.01); **E05D 7/043** (2013.01); **E05D 5/10** (2013.01); **E05D 5/121** (2013.01); **E05D 5/14** (2013.01); **E05D 7/0423** (2013.01); **E05D 11/04** (2013.01); **E05D 2003/025** (2013.01); **E05D 2003/027** (2013.01); **E05D 2005/122** (2013.01); **E05D 2011/045** (2013.01); **E05Y 2600/32** (2013.01); **E05Y 2600/322** (2013.01); **E05Y 2600/61** (2013.01); **E05Y 2600/622** (2013.01)

Cited by

CN109882009A; ITTO20080852A1; EP2418344A3; CN108301715A; EP3584396A1; EP2339102A1; ITBO20090825A1; WO2022033864A1; EP3093422A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 1835101 A2 20070919**; **EP 1835101 A3 20080416**; **EP 1835101 B1 20091125**; AT E449896 T1 20091215; DE 602007003394 D1 20100107; IT UD20060059 A1 20070915; PL 1835101 T3 20100430

DOCDB simple family (application)

**EP 07103982 A 20070313**; AT 07103982 T 20070313; DE 602007003394 T 20070313; IT UD20060059 A 20060314; PL 07103982 T 20070313