

Title (en)

Concealed hinge for a door or similar components

Title (de)

Verdecktes Scharnier für eine Türe oder ähnliche Bauteile

Title (fr)

Articulation cachée pour une porte ou des composants similaires

Publication

EP 2540941 A3 20160413 (DE)

Application

EP 12004759 A 20120626

Priority

CH 11092011 A 20110628

Abstract (en)

[origin: EP2540941A2] The hinge has a hinge bracket arrangement (3) rotated in support bodies (1, 2) around rotation axles (4, 5), which are supported in the support bodies. The hinge bracket arrangement comprises hinge brackets (9-12) whose ends are rotated around the rotation axles at the support bodies. Other ends of the hinge brackets are hinged at a rocker arm that is pivotably supported in the support bodies. The hinge brackets are rotated together around a middle axle (19) of the hinge bracket arrangement, where the middle axle runs through the hinge brackets. The hinge brackets are formed as hinge lugs with bearing sleeves.

IPC 8 full level

E05D 3/16 (2006.01); **E05D 7/00** (2006.01); **E05D 7/04** (2006.01)

CPC (source: EP)

E05D 3/16 (2013.01); **E05D 7/0027** (2013.01); **E05D 2003/166** (2013.01); **E05D 2007/0484** (2013.01); **E05Y 2600/41** (2013.01); **E05Y 2900/132** (2013.01)

Citation (search report)

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- [X] DE 1168795 B 19640423 - CHARLES J SOSS
- [X] FR 772468 A 19341030
- [XY] DE 202010010645 U1 20101021 - KOBLENZ SPA [IT]
- [Y] EP 2202372 A1 20100630 - ARGENT ALU NV [BE]

Cited by

CN106761089A; ITUB20154592A1; US10655375B2; IT201700114345A1; CN108431354A; RU2707594C2; AT521484A4; AT521484B1; EP3168398A1; US10900265B2; WO2017065699A1; WO2022040960A1; WO2022040958A1; EP3362623B1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2540941 A2 20130102; EP 2540941 A3 20160413; CH 705145 A2 20121231; CH 705145 B1 20150828

DOCDB simple family (application)

EP 12004759 A 20120626; CH 11092011 A 20110628