

Title (en)
Concealed door or window hinge

Title (de)
Verdeckt liegendes Tür- oder Fensterband

Title (fr)
Charnière fixée en feuillure pour porte ou fenêtre

Publication
EP 1400646 A3 20040811 (DE)

Application
EP 03020232 A 20030906

Priority
DE 20214430 U 20020917

Abstract (en)
[origin: EP1400646A2] The concealed hinge has a frame element (12) fixable on the frame and at least one wing element (14) fixable on a casement. The rotational point of the wing element is movable inside the frame element through bolt (18) and opening (20). The hinge lever (16) is guided through a bearing axis whose centre axis forms the rotational point which is supported by slide members and is movable along guide tracks. The travel path for the rotational point is proportional to the opening angle of the wing element and is preferably restricted.

IPC 1-7
E05D 3/02; **E05D 7/12**

IPC 8 full level
E05D 3/02 (2006.01); **E05D 7/04** (2006.01); **E05D 7/12** (2006.01); **E05D 5/06** (2006.01)

CPC (source: EP)
E05D 3/022 (2013.01); **E05D 7/0415** (2013.01); **E05D 7/12** (2013.01); **E05D 5/06** (2013.01); **E05D 2003/027** (2013.01); **E05D 2005/067** (2013.01); **E05D 2007/0469** (2013.01); **E05D 2007/126** (2013.01); **E05Y 2201/71** (2013.01); **E05Y 2201/722** (2013.01); **E05Y 2600/41** (2013.01); **E05Y 2900/132** (2013.01); **E05Y 2900/148** (2013.01)

Citation (search report)

- [XAY] GB 283315 A 19280112 - CHARLES HENRY ALLEN
- [Y] DE 3601392 A1 19870326 - DAIMLER BENZ AG [DE]
- [Y] EP 1223278 A1 20020717 - HAHN GMBH & CO KG DR [DE]

Cited by
DE202009005027U1; WO2013104488A1; CN104040102A; IT201900004183A1; CN113646501A; DE102015120555B3; RU2714630C2; EP3173557A1; WO2020194093A1; DE202012100127U1; WO2011006682A1

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 PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1400646 A2 20040324; **EP 1400646 A3 20040811**; **EP 1400646 B1 20061129**; AT E347008 T1 20061215; DE 20214430 U1 20040219; DE 50305820 D1 20070111; PL 208642 B1 20110531; PL 362232 A1 20040322; SI 1400646 T1 20070430

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EP 03020232 A 20030906; AT 03020232 T 20030906; DE 20214430 U 20020917; DE 50305820 T 20030906; PL 36223203 A 20030916; SI 200330671 T 20030906