

Title (en)

Concealed hinge

Title (de)

Verdecktes Scharnier

Title (fr)

Charnière cachée

Publication

**EP 1538290 A2 20050608 (EN)**

Application

**EP 04028548 A 20041202**

Priority

IT TO20030977 A 20031205

Abstract (en)

Concealed hinge (11) apt to permit the rotation of a portion of a frame as to another, comprising a couple of wings (13, 15), each having a flat section (17, 21) for fastening each of said wings to the corresponding portion of the frame and at least one curved guide (19, 23), and joining means (20) for keeping joined said wings and permitting the rotation of each of said wings as to the other, wherein at least one curved guide (19, 23) of one of said wings comprises at least one longitudinal slit (25) in which said joining means (20) slides, whereby said at least one slit is apt to define a limit for the rotation angle of said wings.

IPC 1-7

**E05D 1/04**; E05D 11/06

IPC 8 full level

**E05D 1/04** (2006.01); **E05D 11/06** (2006.01); E05D 5/06 (2006.01)

CPC (source: EP)

**E05D 1/04** (2013.01); **E05D 11/06** (2013.01); E05D 5/065 (2013.01); E05Y 2900/20 (2013.01)

Citation (applicant)

- US 6292981 B1 20010925 - FORD JAMES J [US], et al
- DE 656345 C 19380203 - PAUL KALTENPOTH
- US 2044533 A 19360616 - JAMES KIELY

Citation (examination)

- US 5107401 A 19920421 - YOUN JAESAM [KR]
- DE 651282 C 19371011 - PAUL KALTENPOTH

Cited by

CN106314655A; JP2014091983A; US2011084892A1; US9372504B2; EP2083141A2; WO2017130232A1; EP2454431B1; EP3396269B1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1538290 A2 20050608**; **EP 1538290 A3 20090429**; IT TO20030977 A1 20050606

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