

Title (en)

CONCEALED HINGE AND CONCEALED GLASS DOOR HINGE WITH SLOW AND CONSTANT CLOSING SPEED

Title (de)

VERDECKTES SCHARNIER UND VERDECKTES GLASTÜRSCHARNIER MIT LANGSAMER UND KONSTANTER SCHLIESSGESCHWINDIGKEIT

Title (fr)

CHARNIÈRE DISSIMULÉE ET CHARNIÈRE DISSIMULÉE POUR PORTE EN VERRE À VITESSE DE FERMETURE LENTE ET CONSTANTE

Publication

EP 4019722 A3 20220928 (EN)

Application

EP 21211046 A 20211129

Priority

- TW 109146083 A 20201224
- TW 109146085 A 20201224

Abstract (en)

A concealed hinge has a first base (10), a second base (20), a pivotal-connecting assembly (30), and a resetting assembly (40). The pivotal-connecting assembly (30) pivotally connects the first base (10) and the second base (20) and has a connecting block (31) moving during pivoting. The resetting assembly (40) has a resetting casing (41), a connecting rod (45), an elastic unit (74), and two oil-sealing rings (48). The connecting rod (45) is mounted in the resetting casing (41) and is connected to the connecting block (31). The elastic unit (47) moves the connecting block (31) via the connecting rod (45) to pivot the first base (10) and the second base (20). The oil-sealing rings (48) are sleeved on the connecting rod (45) and are attached to the resetting casing (41).

IPC 8 full level

E05D 3/18 (2006.01); **E05D 3/12** (2006.01); **E05D 5/02** (2006.01); **E05D 11/06** (2006.01); **E05F 3/10** (2006.01); **E05F 3/16** (2006.01)

CPC (source: EP)

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Citation (search report)

- [XIY] GB 1252757 A 19711110
- [X] GB 963463 A 19640708 - VER BAUBESCHLAG GRETSCH CO
- [Y] DE 102017100254 B3 20180104 - SIMONSWERK GMBH [DE]
- [A] US 3131420 A 19640505 - QUINN BERT A
- [A] DE 19542050 A1 19960523 - GEZE GMBH & CO [DE]

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)

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