

Title (en)

Hinge, in particular for glass door

Title (de)

Scharnier, insbesondere für eine Glastür

Title (fr)

Charnière, en particulier pour porte en verre

Publication

**EP 1640539 B1 20080319 (EN)**

Application

**EP 04425704 A 20040922**

Priority

EP 04425704 A 20040922

Abstract (en)

[origin: EP1640539A1] An automatic hinge (1) for glass door comprises a hinge body (2), connected to a glass wing, with a space (4) that takes a roller bearing body (14) in a sliding manner, and a pivot (32), connected to the door jamb, with a cam shaped portion (38). Some springs (20) influence the roller bearing body (14) to keep the roller (16) abutted against the cam portion (38) of the pivot (32). The hinge (1) also comprises at least one pole (30a,30b) for guiding the roller bearing body (14) by means of shaft-hole coupling to this. It has been found that this hinge does not make a noise and screech when used and allows normal opening and closing of the door.

IPC 8 full level

**E05D 11/10** (2006.01)

CPC (source: EP)

**E05D 5/0246** (2013.01); **E05D 11/1064** (2013.01); **E05Y 2800/21** (2013.01); **E05Y 2800/242** (2013.01); **E05Y 2800/672** (2013.01); **E05Y 2900/132** (2013.01)

Cited by

EP2055878A1; CN105246307A; CN105392333A; CN105041082A; CN107710895A; CN105246306A; CN105392337A; CN110513015A; US8650713B2; WO2011035499A1

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1640539 A1 20060329**; **EP 1640539 B1 20080319**; AT E389773 T1 20080415; DE 602004012560 D1 20080430; DE 602004012560 T2 20090430

DOCDB simple family (application)

**EP 04425704 A 20040922**; AT 04425704 T 20040922; DE 602004012560 T 20040922