

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)

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Cited by

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

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