

Title (en)

Adjustable snap operating hinge for doors and wing assemblies, preferably made of a tempered glass material

Title (de)

Einstellbares Schnappscharnier für Türen und Flügel, vorzugsweise aus gehärtetem Glas

Title (fr)

Charnière à déclit réglable pour portes et volets, notamment en verre trempé

Publication

EP 2333212 B2 20171206 (EN)

Application

EP 10191898 A 20101119

Priority

IT MI20092047 A 20091123

Abstract (en)

[origin: EP2333212A1] A snap adjustable hinge assembly for frameless windows or doors, preferably made of a tempered glass sheet, of a type including two clamping plates (7 and 8) made rigid with one another and clamping the window or door wing by clamping screws (9), pivotably arranged on a pivot pin (5) of a hinge assembly main body (1) by plastics material bush elements (6), said plates having an axis (14) supporting a roller (13) which is resiliently urged by springs (12) operating through a guide (11) against a cam (3) coupled to a hollow adjusting axle (2) rotatively engaged in a seat formed in said main body (1), characterized in that said adjusting axle (2) is adapted to be forcibly engaged in an axle seat formed in said main body (1), thereby preventing said body from turning.

IPC 8 full level

E05D 11/10 (2006.01); **E05D 5/02** (2006.01); **E05D 5/10** (2006.01)

CPC (source: EP)

E05D 5/0246 (2013.01); **E05D 5/10** (2013.01); **E05D 11/1064** (2013.01); **E05D 2011/1092** (2013.01); **E05Y 2800/672** (2013.01); **E05Y 2900/132** (2013.01)

Citation (opposition)

Opponent :

- BS 2010A000041 A
- US 2010071160 A1 20100325 - CHANG JAMES [TW]
- US 2010275409 A1 20101104 - WALHORN OLIVER [DE], et al
- CN 201173039 Y 20081231 - CHUI CHEN [CN]
- CN 2641243 Y 20040915 - FANGCAN CO LTD [CN]

Cited by

ITUB20150886A1; US10480230B2; EA034304B1; AT15759U1; US2010275409A1; US8572807B2; US9422757B2; CN105909106A; JP2017511435A; EP3354832A1; AU2015248488B2; US10422175B2; WO2016185394A3; WO2015159256A1

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

DOCDB simple family (publication)

EP 2333212 A1 20110615; **EP 2333212 B1 20140820**; **EP 2333212 B2 20171206**; ES 2523871 T3 20141202; ES 2523871 T5 20180220; IT 1397184 B1 20130104; IT MI20092047 A1 20110524; SI 2333212 T1 20141128; SI 2333212 T2 20180430

DOCDB simple family (application)

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