

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 décléc réglable pour portes et volets, notamment en verre trempé

Publication

EP 2333212 A1 20110615 (EN)

Application

EP 10191898 A 20101119

Priority

IT MI20092047 A 20091123

Abstract (en)

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

- EP 0792990 A1 19970903 - STREMLER [FR]
- WO 2004038145 A1 20040506 - PAULI & SOHN GMBH METALLWAREN [DE], et al
- US 6766561 B1 20040727 - CHENG KO-MING [TW]
- EP 1630333 A1 20060301 - STREMLER [FR]
- WO 2009015550 A1 20090205 - LI GANG [CN]
- DE 20314065 U1 20031106 - FANG TSAN CO [TW]
- DE 19800813 A1 19980730 - CREATIONS D GUIDOTTI S A [FR]
- EP 0599255 A1 19940601 - LOGGEN KARL [DE]
- EP 1630333 A1 20060301 - STREMLER [FR]

Citation (search report)

- [XDI] EP 1630333 A1 20060301 - STREMLER [FR]
- [XDI] WO 2009015550 A1 20090205 - LI GANG [CN]
- [XDI] DE 20314065 U1 20031106 - FANG TSAN CO [TW]
- [AD] DE 19800813 A1 19980730 - CREATIONS D GUIDOTTI S A [FR]
- [AD] EP 0599255 A1 19940601 - LOGGEN KARL [DE]
- [AD] US 6766561 B1 20040727 - CHENG KO-MING [TW]
- [A] EP 0867586 A2 19980930 - STREMLER [FR]

Cited by

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

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)

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)

EP 10191898 A 20101119; ES 10191898 T 20101119; IT MI20092047 A 20091123; SI 201030771 T 20101119