

Title (en)

Edge bolt for a door

Title (de)

Kantriegel für eine Tür

Title (fr)

Verrou pour la chant d'une porte

Publication

EP 1308590 B2 20111102 (DE)

Application

EP 02405939 A 20021104

Priority

CH 20332001 A 20011106

Abstract (en)

[origin: EP1308590A1] An edge bolt for the top and/or bottom edge of the door is operated by a control shaft set into a guide fitted to the inside surface of the door. The bolt is set into the door and is operated via a bent section of the control shaft. This ensures that the bolt can operate through a hole in the height adjustable draught sealing strip without having a gap in the seal. The bolt is rounded or elliptical in cross section and has a height control adjustment by having its top end threaded into the bent end of the control shaft.

IPC 8 full level

E05C 1/04 (2006.01); **E05C 1/06** (2006.01); **E06B 7/20** (2006.01); **E05C 7/00** (2006.01); **E05C 7/04** (2006.01)

CPC (source: EP)

E05B 63/06 (2013.01); **E05C 1/06** (2013.01); **E05C 1/065** (2013.01); **E06B 7/20** (2013.01); **E05C 7/045** (2013.01)

Citation (opposition)

Opponent :

- DE 867813 C 19530219 - MAX HANS
- AT 173065 B 19521110 - MAX HANS
- DE 854001 C 19521030 - WEIDTMANN FA WILHELM
- US 967377 A 19100816 - HENRY WILLIAM K [US]
- US 761145 A 19040531 - CALEY CHARLES J [US], et al
- US 2815975 A 19571210 - CHECK MATHIAS M, et al
- EP 1308590 A1 20030507 - PLANET GDZ AG [CH]
- JP H11117640 A 19990427 - MITSUBOSHI BELTING LTD
- DE 869610 C 19530305 - ERICH LEICHT FA
- DE 537981 C 19311109 - HEINRICH STRENGER FA
- US 5004277 A 19910402 - CAMPBELL ANDREW B [US], et al

Cited by

EP2876233A1; EP3112577A1; WO2015074902A1; ITVI20090017A1; US11162281B2; CH702814A1; EP3543438A1; CN107709690A; AU2016287082B2; DE202011003296U1; DE202009000326U1; WO2017001226A1; DE202015009091U1; EP2050918A2; US11761244B2; EP1308590B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

Designated extension state (EPC)

LT LV SI

DOCDB simple family (publication)

EP 1308590 A1 20030507; **EP 1308590 B1 20060830**; **EP 1308590 B2 20111102**; AT E338185 T1 20060915; DE 20221596 U1 20060720; DE 50207987 D1 20061012; ES 2269643 T3 20070401; ES 2269643 T5 20120228; HK 1052955 A1 20031003; HK 1052955 B 20070119

DOCDB simple family (application)

EP 02405939 A 20021104; AT 02405939 T 20021104; DE 20221596 U 20021104; DE 50207987 T 20021104; ES 02405939 T 20021104; HK 03105244 A 20030721