

Title (en)

SAFETY SYSTEM FOR PASSAGE CLOSURE MEMBERS

Title (de)

SICHERHEITSEINRICHTUNG FÜR EINEN ÖFFNUNGSVERSCHLUSS

Title (fr)

SYSTEME DE SECURITE POUR ELEMENTS DE FERMETURE DE PASSAGES

Publication

EP 0587632 B1 19960327 (DE)

Application

EP 92911014 A 19920523

Priority

- DE 4118782 A 19910607
- EP 9201164 W 19920523

Abstract (en)

[origin: WO9221845A1] A safety system for a passage closure member, such as a gate, door, window, sliding roof or the like, has a drive whose maximal admissible strain value is adjustable and a control device by means of which the drive can be switched off. When the drive is switched off because the maximal admissible strain value has been attained, a signal S2? at the moment in time T2? is transmitted to the control device. In the area of the pressing and/or closing edge of the closure member is arranged a sensor that transmits a signal S1? at the moment in time T1? when an obstacle occurs. The control device calculates, when the maximal admissible strain value is attained, the differential value between the moments in time $\$g(D) T_{real} = T2? - T1?$. The control device compares the value $\$g(D) T_{real}?$ with a predetermined value $T_{predet}?$, and when $\$g(D) T_{real}?$ is higher than $\$g(D) T_{predet}?$, the direction of movement of the closure member is changed.

IPC 1-7

E05F 15/00

IPC 8 full level

E05F 15/47 (2015.01); **E06B 9/02** (2006.01); **E06B 9/17** (2006.01); **E06B 9/80** (2006.01); **E06B 9/84** (2006.01)

CPC (source: EP US)

E05F 15/47 (2015.01 - EP US); **E05F 15/668** (2015.01 - EP US); **E05Y 2900/106** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU MC NL SE

DOCDB simple family (publication)

WO 9221845 A1 19921210; AT E136092 T1 19960415; CA 2110035 A1 19921210; DE 4118782 A1 19921210; DE 59205871 D1 19960502; DK 0587632 T3 19960603; EP 0587632 A1 19940323; EP 0587632 B1 19960327; ES 2086742 T3 19960701; FI 101095 B 19980415; FI 935450 A0 19931203; FI 935450 A 19931203; GR 3020701 T3 19961130; HU 214475 B 19980330; HU 9303437 D0 19940428; HU T67543 A 19950428; JP H06507688 A 19940901; NO 301554 B1 19971110; NO 934459 D0 19931207; NO 934459 L 19931207; US 5821644 A 19981013

DOCDB simple family (application)

EP 9201164 W 19920523; AT 92911014 T 19920523; CA 2110035 A 19920523; DE 4118782 A 19910607; DE 59205871 T 19920523; DK 92911014 T 19920523; EP 92911014 A 19920523; ES 92911014 T 19920523; FI 935450 A 19931203; GR 960401742 T 19960627; HU 9303437 A 19920523; JP 50979692 A 19920523; NO 934459 A 19931207; NO 934459 D 19931207; US 15716393 A 19931207