

Title (en)

A sliding door stopper device.

Title (de)

Feststellvorrichtung einer Scheibetür.

Title (fr)

Dispositif d'arrêt d'une porte coulissante.

Publication

EP 0635613 A1 19950125 (EN)

Application

EP 94110494 A 19940706

Priority

- JP 17824993 A 19930719
- JP 27028793 A 19931028

Abstract (en)

The timing belt (4) connected with the roller of the sliding door is moved correspondingly with operation of the sliding door. Thus, the driven pulley (6) fixed to the wall surface is also rotated. When the driven pulley (6) is rotated toward direction 96 by opening the sliding door, the stopper arm (9) springs up. When the operator releases the force immediately, the arm head (9H) is pulled down until it exceeds the standard line (L1), due to the driven pulley (6) being rotated reversely to direction 97 according to automatic closing force of the door closer. On the other hand, when the operator hold the sliding door for predetermined duration and then release the force, the arm head (9H) is positioned on the standard line (L1), and the sliding door stops at the position by a pressure of the timing belt (4) of the driven pulley (6) caused by pressurize force of the pressure spring (13). <IMAGE>

IPC 1-7

E05D 13/00; **E05F 3/22**

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E05C 17/64 (2006.01); **E05C 17/60** (2006.01); **E05F 3/22** (2006.01); **E05F 5/00** (2006.01)

CPC (source: EP)

E05D 13/04 (2013.01); **E05F 1/046** (2013.01); **E05F 1/16** (2013.01); **E05F 3/221** (2013.01); **E05Y 2900/132** (2013.01)

Citation (applicant)

- JP H044171 A 19920108 - MINOLTA CAMERA KK
- JP H03286080 A 19911217 - KOKUYO KK

Citation (search report)

[A] US 4330960 A 19820525 - HASEMANN WERNER, et al

Cited by

CN109538070A; CN107191084A; CN108798330A; EP3156574A1; GB2399862A; GB2399862B; CN107227917A; US7185398B2; WO03062573A1; US9995076B1

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