

Title (en)

AUTOMATIC DOOR, ESPECIALLY A SLIDING DOOR

Title (de)

AUTOMATISCHE TÜR, INSBESONDERE SCHIEBETÜR

Title (fr)

PORTE AUTOMATIQUE, NOTAMMENT PORTE COULISSANTE

Publication

EP 1206618 A1 20020522 (DE)

Application

EP 00965770 A 20000816

Priority

- DE 0002805 W 20000816
- DE 29915018 U 19990827

Abstract (en)

[origin: WO0116451A1] The invention relates to an automatic door, especially a sliding door, which is provided with a drive device (2) for opening and closing the door. A metal spring in the form of a flat spiral spring (10) is used as the mechanic energy storage device (9) which stores energy when the door is being closed and releases the stored energy for opening the door when the drive device (2) breaks down. Said spring is arranged around a drive shaft (6) and is under tension when the door is being closed. A rubber rope can be provided instead.

IPC 1-7

E05F 1/00; E05F 1/08; E05F 15/14; E05F 15/20

IPC 8 full level

E05F 1/08 (2006.01); **E05F 15/643** (2015.01)

CPC (source: EP)

E05F 1/16 (2013.01); **E05F 15/643** (2015.01); **E05F 15/72** (2015.01); **E05Y 2201/422** (2013.01); **E05Y 2201/482** (2013.01); **E05Y 2201/488** (2013.01); **E05Y 2900/132** (2013.01)

Citation (search report)

See references of WO 0116451A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 29915018 U1 19991125; EP 1206618 A1 20020522; WO 0116451 A1 20010308

DOCDB simple family (application)

DE 29915018 U 19990827; DE 0002805 W 20000816; EP 00965770 A 20000816