

Title (en)

AUTOMATIC DOOR CLOSER AND PROCESS FOR MOUNTING THE SAME

Title (de)

SELBSTTÄTIGER TÜRSCHLIESSER UND VERFAHREN ZUR MONTAGE DESSELBEN

Title (fr)

FERME-PORTE AUTOMATIQUE ET SON PROCEDE DE MONTAGE

Publication

EP 0757742 A1 19970212 (DE)

Application

EP 96900842 A 19960124

Priority

- DE 9600095 W 19960124
- DE 19506355 A 19950223

Abstract (en)

[origin: US5832561A] An automatic door closer has a piston assembly dividing a housing into two pressure medium chambers. The piston assembly is moveable by a cam roller in camming engagement with a cam that rotates during an opening or closing movement of a door. The piston assembly includes two parts, a coupling part and an outer part. The coupling part provides for connection to the cam roller and the outer part seals one pressure medium chamber from the other pressure medium chamber. The coupling part and the outer part are connected firmly together by a connecting element.

IPC 1-7

E05F 3/10

IPC 8 full level

E05F 3/10 (2006.01)

CPC (source: EP US)

E05F 3/104 (2013.01 - EP US); **E05Y 2900/132** (2013.01 - EP US)

Citation (search report)

See references of WO 9626344A1

Cited by

US9995076B1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI NL PT

DOCDB simple family (publication)

US 5832561 A 19981110; AT E193086 T1 20000615; AU 4481096 A 19960911; BR 9605812 A 19970812; CZ 292164 B6 20030813; CZ 307696 A3 19971015; DE 19506355 A1 19960905; DE 19506355 C2 19970116; DE 59605225 D1 20000621; EP 0757742 A1 19970212; EP 0757742 B1 20000517; ES 2097107 T1 19970401; ES 2097107 T3 20000701; GR 3033849 T3 20001031; GR 970300006 T1 19970430; PT 757742 E 20000831; SK 135096 A3 19980204; SK 284483 B6 20050401; TW 304216 B 19970501; WO 9626344 A1 19960829

DOCDB simple family (application)

US 73597096 A 19961023; AT 96900842 T 19960124; AU 4481096 A 19960124; BR 9605812 A 19960124; CZ 307696 A 19960124; DE 19506355 A 19950223; DE 59605225 T 19960124; DE 9600095 W 19960124; EP 96900842 A 19960124; ES 96900842 T 19960124; GR 20000401550 T 20000630; GR 970300006 T 19970430; PT 96900842 T 19960124; SK 135096 A 19960124; TW 85101949 A 19960216