

Title (en)

Door actuating system with push-to-open block

Title (de)

Torantrieb mit Aufschubsicherung

Title (fr)

Commande d'un portail avec blocage d'une ouverture par poussée

Publication

EP 1767737 A2 20070328 (DE)

Application

EP 06019282 A 20060914

Priority

DE 202005015050 U 20050923

Abstract (en)

A powered e.g. garage door has a belt or chain drive to an interface mechanism that engages with a rider (10) and door pulling pin (20) that moves through a guide rail (12). The rider has swivel-mounted detent pawl that is deployed by a spring from the retracted mode to the extended mode on reaching the end of travel along the guide rail. The detent pawl then engages with the locking element. The detent pawl is retracted on opening by a cam.

IPC 8 full level

E05F 15/16 (2006.01)

CPC (source: EP US)

E05F 15/668 (2015.01 - EP US); **E05Y 2201/22** (2013.01 - EP US); **E05Y 2201/24** (2013.01 - EP US); **E05Y 2201/434** (2013.01 - EP US); **E05Y 2900/106** (2013.01 - EP US)

Cited by

FR3001753A1; FR3068062A1; EP2765265A1; FR3001754A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1767737 A2 20070328; CN 1936251 A 20070328; DE 202005015050 U1 20070208; US 2007068081 A1 20070329

DOCDB simple family (application)

EP 06019282 A 20060914; CN 200610139745 A 20060922; DE 202005015050 U 20050923; US 52529006 A 20060921