

Title (en)

Power driven door with safety device

Title (de)

Motorisch angetriebenes Tor mit Sicherheitseinrichtung

Title (fr)

Porte entraînée par un moteur avec dispositif de sécurité

Publication

**EP 0902157 B1 20030326 (DE)**

Application

**EP 98116972 A 19980908**

Priority

DE 19739543 A 19970909

Abstract (en)

[origin: EP0902157A2] With vertically moving roller or concertina doors operated by electric motors interference of the opening at any point blocks one or more of the infrared beams which is electronically detected and stops or reverses the motor.

IPC 1-7

**E06B 9/82**

IPC 8 full level

**E05F 15/10** (2006.01); **E06B 9/82** (2006.01)

CPC (source: EP US)

**E05F 15/40** (2015.01 - EP US); **E06B 9/82** (2013.01 - EP US); **E06B 2009/6836** (2013.01 - EP US)

Cited by

EP2845985A1; DE102015101017A1; DE102005003794A1; EP3244001A1; CN110540121A; DE102007051133B4; DE102008023294B4; EP2574718A3; DE102015101017B4; US8471704B2; US7045764B2; US8988213B2; WO2009090097A3; WO2006079515A1; DE102007051133A1; EP2506034A1; US9057779B2; EP2374985A2; US10197219B1; EP2853677A1; US8309904B2; EP2574718A2; US8575538B2; DE202014101131U1; EP2799384A1; DE102014200004A1; US10605001B2; DE102008023294A1; EP3101452B1; EP2586959B2

Designated contracting state (EPC)

AT CH DE GB LI NL SE

DOCDB simple family (publication)

**US 6218940 B1 20010417**; AT E235651 T1 20030415; DE 19739543 A1 19990311; DE 59807624 D1 20030430; EP 0902157 A2 19990317; EP 0902157 A3 20000329; EP 0902157 B1 20030326; JP 4519209 B2 20100804; JP H11182128 A 19990706

DOCDB simple family (application)

**US 14831198 A 19980904**; AT 98116972 T 19980908; DE 19739543 A 19970909; DE 59807624 T 19980908; EP 98116972 A 19980908; JP 25491798 A 19980909