

Title (en)

Automatic closing and opening device for pivoting doors.

Title (de)

Einrichtung zum automatischen Schliessen, sowie zum Offenhalten von Türen.

Title (fr)

Dispositif permettant d'assurer la fermeture automatique de portes pivotantes ainsi que leur maintien en position ouverte.

Publication

**EP 0179002 A1 19860423 (FR)**

Application

**EP 85420160 A 19850905**

Priority

FR 8414318 A 19840914

Abstract (en)

[origin: US4759099A] This invention relates to a device ensuring automatic closure of pivoting doors and for holding them in open position. The device includes a fixed box mounted on the door (or frame) and supporting a pivoting arm subjected to the action of a return element. A fixed slide rail is mounted on the frame and a connecting element is positioned between the pivoting arm and the slide rail. The connection between the pivoting arm and the slide rail is obtained by way of a sliding rod, retractable inside the arm. The rod is adapted to be blocked automatically when it projects from the arm by a determined length corresponding to a given degree of opening of the door.

Abstract (fr)

Il comporte: - un boîtier fixe (1) monté sur la porte (2) (ou le châssis) et supportant un bras pivotant (3) soumis à l'action d'un élément de rappel; - une glissière fixe (4) montée sur le châssis (5); - un élément de liaison entre le bras pivotant (3) et la glissière (4). La liaison entre le bras pivotant (3) et la glissière (4) est obtenue au moyen d'une tige coulissante (6), escamotable à l'intérieur du bras (3), ladite tige (6) pouvant être bloquée automatiquement lorsqu'elle dépasse dudit bras d'une longueur déterminée correspondant à un degré donné d'ouverture de la porte.

IPC 1-7

**E05F 1/10**

IPC 8 full level

**E05C 17/24** (2006.01); **E05F 1/10** (2006.01); **E05F 3/22** (2006.01)

CPC (source: EP US)

**E05F 3/102** (2013.01 - EP US); **E05F 3/221** (2013.01 - EP US); **E05F 3/227** (2013.01 - EP US); **E05F 2003/228** (2013.01 - EP US); **E05Y 2201/624** (2013.01 - EP); **E05Y 2800/122** (2013.01 - EP US); **E05Y 2900/132** (2013.01 - EP US); **Y10S 16/17** (2013.01 - US)

Citation (search report)

[A] CH 86346 A 19200901 - KAHN GEB [DE]

Cited by

EP0369240A1; DE102007012152A1; CN111586999A; EP1959076A1; EP0441203A3

Designated contracting state (EPC)

AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)

**US 4759099 A 19880726**; AT E32767 T1 19880315; AU 4710985 A 19860320; CA 1248150 A 19890103; DE 3561758 D1 19880407; EP 0179002 A1 19860423; EP 0179002 B1 19880302; ES 546952 A0 19861116; ES 8701285 A1 19861116; FR 2570427 A1 19860321; FR 2570427 B1 19861205; JP S61130584 A 19860618; OA 08100 A 19870331; ZA 856703 B 19860430

DOCDB simple family (application)

**US 6373387 A 19870617**; AT 85420160 T 19850905; AU 4710985 A 19850905; CA 490384 A 19850910; DE 3561758 T 19850905; EP 85420160 A 19850905; ES 546952 A 19850913; FR 8414318 A 19840914; JP 20418985 A 19850913; OA 58680 A 19850916; ZA 856703 A 19850902