

Title (en)

Swing door with a spring-actuated door closer.

Title (de)

Pendeltür mit einem federbetätigten Türschliesser.

Title (fr)

Porte oscillante à ferme-porte actionné par un ressort.

Publication

**EP 0019841 A1 19801210 (DE)**

Application

**EP 80102808 A 19800521**

Priority

DE 2921566 A 19790528

Abstract (en)

1. A spring-operated swing door (1) having a pair of tension spring arms whose fastening to the swing door (1), at a surround or at the door plate facing the swivel axis (4) of the swing door (1), is positioned towards the inside, the tension spring arm pair being arranged on a roll (12) in a manner such that the swing door (1) is biased in the direction of closure, and the tension spring arms (10, 11) comprising the tension spring arm pair having recesses in which the roll (12) engages when the swing door is at rest, characterised in that a) a spring (7), acting as a door closer, is provided, which acts against the tension spring arms (10, 11), b) the tension spring arms (10, 11) extend outwards beyond their recesses and c) the fastening of the tension spring arms (10, 11) is provided as rotation-fastening at the swivel axis (6) of the door closer, which is positioned between the swivel axis (4) of the swing door (1) and the roll (12).

Abstract (de)

Die Schwenkachse (6) des Türschließers (5) ist gegenüber der Schwenkachse (4) der Pendeltür (1) nach innen versetzt, und ein Federspannhebelpaar (10, 11) des Türschließers liegt an einer Rolle (12) derart an, daß die Pendeltür (1) in Schließrichtung beaufschlagt wird.

IPC 1-7

**E05F 1/08**; **E06B 3/36**

IPC 8 full level

**E05F 1/08** (2006.01); **E05F 1/10** (2006.01); **E06B 3/36** (2006.01)

CPC (source: EP)

**E05F 1/1016** (2013.01); **E05Y 2900/132** (2013.01)

Citation (search report)

- DE 2702996 A1 19770804 - REUSSER PETER U
- US 2664590 A 19540105 - ALLEN JAMES G
- US 2102321 A 19371214 - KEENE WILLIAM J
- DE 51526 C
- DE 7915366 U1 19800320
- FR 1100575 A 19550921
- GB 796030 A 19580604 - AUGUSTIN GALLUS SCHWAGER
- DK 64786 C 19460909 - JENSEN NIELS CHRISTIAN, et al

Cited by

EP2208845A4; EP0688932A1

Designated contracting state (EPC)

CH DE NL SE

DOCDB simple family (publication)

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