

Title (en)

Automatic reversible auxiliary lock for multi-point locks

Title (de)

Automatisches Zusatzschloss für Schloss mit Mehrpunktverriegelung

Title (fr)

Serrure supplémentaire automatique pour un dispositif à plusieurs points de condamnation

Publication

EP 2058464 A1 20090513 (EN)

Application

EP 08019717 A 20081106

Priority

- ES 200702930 A 20071106
- ES 200801832 A 20080618

Abstract (en)

In view of the aforementioned, this invention claims an arrangement of an automatic and reversible auxiliary lock comprising a sandwich structure comprising a rotatory plate being V-shaped and having bevelled front, hereinafter hook, an sliding horizontal trigger having tilting and bevelled head being V-shaped, mounted on a vertical turning axis, hereinafter tilting trigger, a first compression spring, a second compression spring and a drive spring, being all assembled and operative between two twin vertical plates which, with vertical sliding adjustment, are attached to the side walls of the auxiliary lock housing; the hook comprises a head and a foot, the head being behind the bevelled front and being flat and having such thickness that the sides remind matching the outside of the vertical plates, whereas the foot is encircled by sliding adjustment between the vertical plates, and said hook turns around the first axis being in the foot and, with respect to the extended operative position and the arrangement of the closing frame of the door in the lock, said first axis is escorted by a pair of forward collateral pegs and by a rear pierced wing, whereas, with respect to the rest operative position or the mechanism disposed to the automatic trigger of the closing when the door is driven to the frame, this hook having an horizontal shoulder and two side projections with "L" shape having the concavity in the rearwards; the tilting trigger is meant to adopt both tilted positions where, with respect to the closing turn of the door over the frame, the forward bevel in the tilting head remains behind with respect to the forward bevel of the front of the hook, and said tilting trigger having in the lower and rear part a vertical trigger being mounted on the second axis of turn being transverse to the body of the tilting trigger itself and, with respect to the rest position of the hook, this vertical trigger is meant to adopt a forward operative position, the tip being over the horizontal shoulder of the hook; the first compression spring operates between the rear front of the tilting trigger and the auxiliary lock housing.

IPC 8 full level

E05C 9/18 (2006.01); **E05B 63/20** (2006.01)

CPC (source: EP ES)

E05B 63/202 (2013.01 - EP ES); **E05C 9/1875** (2013.01 - EP); **E05B 63/04** (2013.01 - EP)

Citation (search report)

- [A] DE 10063784 A1 20020627 - WILKA SCHLIESTECHNIK GMBH [DE]
- [A] EP 1640536 A1 20060329 - WINKHAUS FA AUGUST [DE]
- [A] EP 1555365 A1 20050720 - WINKHAUS FA AUGUST [DE]

Cited by

CN114961433A; EP2963213A1; EP2256273A3; CN102900270A; US10876735B2; WO2019202618A1; EP3091153B1; EP3619382B1

Designated contracting state (EPC)

FR GB IT PT

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2058464 A1 20090513; **EP 2058464 B1 20100512**; ES 2334299 A1 20100308; ES 2334299 B1 20100809; ES 2346837 A1 20101020; ES 2346837 B1 20110519; PT 2058464 E 20100521

DOCDB simple family (application)

EP 08019717 A 20081106; ES 200702930 A 20071106; ES 200801832 A 20080618; PT 08019717 T 20081106