

Title (en)

Spring latch actuation device in locks operated by magnetic cards.

Title (de)

Auslöser für Fallenschloss in Schlössern, welche mit magnetischen Karten betätigt werden.

Title (fr)

Système de manipulation pour serrure à pêne dans des serrures manipulées par plaques magnétiques.

Publication

EP 0451712 A1 19911016 (EN)

Application

EP 91105378 A 19910405

Priority

IT 344290 A 19900411

Abstract (en)

The spring latch actuation device in locks operated by magnetic cards comprises a plate-like element (6), which is constantly connected to the spring latch, and a disk-like element (17) , which is connected to the spring latch actuation knob (33). The disk-like and plate-like elements are supported so as to be able to rotate coaxially with respect to one another. A rocker lever (21) is articulated on the disk-like element (17) and is suitable for engaging a notch (8) of the plate-like element (6). The lever (21) is retained, by spring means (10, 11) which are accommodated in the plate-like element (6), in a passive position which corresponds to the free rotation of the knob. When a magnetic card (42) is inserted in the reading device of the lock, an appropriately provided electromagnet (36) is activated so as to rotate the lever (21) into an active position in which the lever engages the notch (8) of the plate-like element (6) so as to provide the rotational coupling of the plate-like element (6) with the disk-like element (17) and allow the actuation of the spring latch when the knob (33) is acted on. <IMAGE>

IPC 1-7

E05B 47/00

IPC 8 full level

E05B 47/06 (2006.01); **E05B 47/00** (2006.01)

CPC (source: EP)

E05B 47/0043 (2013.01); **E05B 47/0692** (2013.01); **E05B 47/0006** (2013.01)

Citation (search report)

- [A] EP 0276444 A1 19880803 - SCHULTE SCHLAGBAUM AG [DE]
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- [A] EP 0241323 A2 19871014 - SEDLEY BRUCE S [US]
- [A] DE 2347420 A1 19740411 - GREER HYDRAULICS INC
- [A] GB 2142374 A 19850116 - CHUBB & SONS LOCK & SAFE CO
- [A] GB 1334085 A 19731017 - BOEHME INC H O [US]
- [A] GB 1324349 A 19730725 - BOEHME INC H O
- [A] US 3834197 A 19740910 - SEDLEY B

Cited by

EP1526231A3; ES2138523A1; FR2730266A1; ES2135986A1

Designated contracting state (EPC)

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EP 0451712 A1 19911016; IT 1238550 B 19930818; IT 9003442 A0 19900411; IT 9003442 A1 19911011

DOCDB simple family (application)

EP 91105378 A 19910405; IT 344290 A 19900411