

Title (en)

LATCH DEVICE AND LOCK WITH CLAMP FOR A SLIDING DOOR OR WINDOW

Title (de)

VERRIEGELUNGSVORRICHTUNG UND SCHLOSS MIT KLEMME FÜR EINE SCHIEBETÜR ODER EIN SCHIEBEFENSTER

Title (fr)

DISPOSITIF DE VERROUILLAGE ET SERRURE AVEC DISPOSITIF DE SERRAGE POUR UNE PORTE OU UNE FENÊTRE COULISSANTE

Publication

EP 4141201 A1 20230301 (EN)

Application

EP 22193124 A 20220831

Priority

PT 11743421 A 20210831

Abstract (en)

The present description relates to a latch device for closure of a sliding door or window in a lock with clamp, comprising a latch and a latch case with said latch on one face of said case, wherein the latch pivots between a retracted position in the latch case and a protruding position from the latch case; wherein the pivoting latch comprises a magnet arranged in the latch with a first magnetic pole oriented outwardly on said face to create a magnetic repulsive force with a second magnetic pole, having the same polarity as the first pole and oriented opposite to the first magnetic pole, from another magnet placed in the lock so that the latch pivots from the retracted position to a protruding position to be locked by the clamp. It also relates to a lock with clamp comprising a lock case for receiving said latch on one face of said case, and comprising a magnet arranged in the lock with a first magnetic pole oriented outwardly on said face to create a magnetic repulsive force with a second magnetic pole, having the same polarity as the first pole and oriented opposite to the first magnetic pole, from another magnet placed on said latch so that the latch pivots from the retracted position to a protruding position to be locked by the clamp.

IPC 8 full level

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CPC (source: EP PT)

E05B 1/0046 (2013.01 - EP); **E05B 15/0073** (2013.01 - EP); **E05B 47/00** (2013.01 - PT); **E05B 47/0038** (2013.01 - EP); **E05B 47/004** (2013.01 - EP); **E05B 63/128** (2013.01 - EP); **E05B 63/24** (2013.01 - EP); **E05B 65/0811** (2013.01 - EP); **E05B 65/087** (2013.01 - EP); **E05B 47/0046** (2013.01 - EP)

Citation (applicant)

- WO 2018055398 A1 20180329 - LAPORTA GIOVANNI [GB]
- WO 2017008104 A1 20170119 - FIRE & SECURITY HARDWARE PTY LTD [AU]
- WO 2020157628 A1 20200806 - ALBAN GIACOMO SPA [IT]

Citation (search report)

- [A] WO 2011069323 A1 20110616 - LI JIANHUA [CN]
- [A] JP H10273986 A 19981013 - ALPHA CORP
- [A] DE 202007014103 U1 20080214 - HEGER KARL [DE]
- [A] US 2017298650 A1 20171019 - MINTER PETER J [US], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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