Title (en)

LATCH DEVICE

Title (de)

VERRIEGELUNGSVORRICHTUNG

Title (fr)

DISPOSITIF DE VERROUILLAGE

Publication

EP 3320797 A1 20180516 (EN)

Application

EP 17197236 A 20171019

Priority

TW 105217198 U 20161110

Abstract (en)

A latch device comprises a housing unit (3), a disk unit (4), an electromagnetic lock unit (5), a pressing lock unit (6), and a detecting unit (7). The housing unit includes a housing (31), which has a pressing hole (32) and an insertion slot (33). The disk unit includes a supporting rod (41) positioned through the housing, and two vertical disks (42) pivotally arranged to the supporting rod. The outer perimeter of the two disks is placed with a hook (421), a first engaging portion (422) and a second engaging portion (423). The electromagnetic lock unit includes two electromagnetic mechanisms (51), two retractable bars (52) connected to the two electromagnetic mechanisms, and two electromagnetic latches (53) respectively connected to the two retractable bars. The pressing lock unit includes a pushbutton (61), and a button latch (62) connected to the pushbutton. The detecting unit includes two detectors (71), which are disposed inside the housing for detecting the position of the two electromagnetic latches.

IPC 8 full level

A44B 11/25 (2006.01)

CPC (source: CN EP US)

A44B 11/2503 (2013.01 - EP US); **A44B 11/2523** (2013.01 - US); **A44B 11/2542** (2013.01 - EP US); **A44B 11/2565** (2013.01 - CN EP US); **A44B 11/2569** (2013.01 - CN EP US); **A44B 11/2573** (2013.01 - CN EP US); A44D 2203/00 (2013.01 - EP US)

Citation (applicant)

TW M473859 U 20140311 - BROGENT TECHNOLOGIES INC [TW]

Citation (search report)

- [AD] TW M473859 U 20140311 - BROGENT TECHNOLOGIES INC [TW]
- [A] EP 2614739 A1 20130717 - TOKAI RIKA CO LTD [JP]
- [A] DE 202012012254 U1 20130222 - KEY SAFETY SYSTEMS INC [US]

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

DOCDB simple family (publication)

US 2018125172 A1 20180510; AU 2017232109 A1 20180524; AU 2017232109 B2 20190815; CN 108065511 A 20180525; EP 3320797 A1 20180516; EP 3320797 B1 20190814; TW M538334 U 20170321

DOCDB simple family (application)

US 201715788502 A 20171019; AU 2017232109 A 20170920; CN 201710638703 A 20170731; EP 17197236 A 20171019; TW 105217198 U 20161110