

Title (en)

ELECTRIC LOCK DEVICE AND ELECTRIC LOCK SYSTEM

Title (de)

ELEKTRISCHE SCHLOSSVORRICHTUNG UND ELEKTRISCHES SCHLOSSSYSTEM

Title (fr)

DISPOSITIF DE SERRURE ÉLECTRIQUE ET SYSTÈME DE SERRURE ÉLECTRIQUE

Publication

EP 3527759 A4 20191106 (EN)

Application

EP 17861584 A 20171017

Priority

- JP 2016203958 A 20161017
- JP 2017037479 W 20171017

Abstract (en)

[origin: EP3527759A1] An object of the present disclosure is to reduce power consumption by an electric lock device. An electric lock device (1) includes a lock-end communications unit (communications unit) (11), a lock-end operating unit (operating unit) (12), a lock driving unit (13), and a lock-end control unit (control unit) (14). The lock-end control unit (14) performs, when connected to the key device (2), authentication, and performs, when the authentication is done successfully, particular processing in accordance with either an operating input or a command from the key device (2). The lock-end control unit (14) operates in a first mode unless the operating input is accepted, and starts operating in a second mode when the operating input is accepted. The lock-end control unit (14) periodically performs, in the first mode, first transmission processing and first reception processing. The lock-end control unit (14) performs, in the second mode, second transmission processing and second reception processing irrespective of intervals of the first transmission processing and the first reception processing.

IPC 8 full level

E05B 49/00 (2006.01); **G07C 9/00** (2006.01)

CPC (source: EP)

E05B 1/00 (2013.01); **E05B 49/00** (2013.01); **G07C 9/00309** (2013.01); **G07C 2009/0038** (2013.01)

Citation (search report)

- [A] DE 102015105008 A1 20161006 - ATMEL CORP [US], et al
- [A] MOTOKI HIRANO ET AL: "KEYLESS ENTRY SYSTEM WITH RADIO CARD TRANSPONDER", IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, IEEE SERVICE CENTER, PISCATAWAY, NJ, USA, vol. 35, no. 2, 1 May 1988 (1988-05-01), pages 208 - 216, XP000096890, ISSN: 0278-0046, DOI: 10.1109/41.192651
- See references of WO 2018074453A1

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)

EP 3527759 A1 20190821; **EP 3527759 A4 20191106**; CN 109906297 A 20190618; CN 109906297 B 20201201; JP 2018066130 A 20180426; JP 6643634 B2 20200212; WO 2018074453 A1 20180426

DOCDB simple family (application)

EP 17861584 A 20171017; CN 201780064735 A 20171017; JP 2016203958 A 20161017; JP 2017037479 W 20171017