

Title (en)

Access control device with electromechanical converter

Title (de)

Vorrichtung zur Zutrittskontrolle mit elektromechanischem Wandler

Title (fr)

Dispositif de contrôle d'accès doté d'un convertisseur électromécanique

Publication

EP 2372052 A3 20140625 (DE)

Application

EP 11450022 A 20110215

Priority

AT 5112010 A 20100330

Abstract (en)

[origin: EP2372052A2] The device has a receiving unit for receiving identification data of an electronic key, and an evaluation circuit controlling access authorization based on the data. A converter e.g. electric generator such as rotary generator and linear generator, cooperates with movement of a catch (2) and a knob (3). The catch and knob are movable in a direction relative to a closing device, where the direction corresponds to an opening- and/or closing direction of the closing device. The catch and knob cooperate with the converter such that mechanical energy is partially converted into electrical energy.

IPC 8 full level

E05B 1/00 (2006.01); **E05B 15/02** (2006.01); **E05B 47/00** (2006.01); **E05B 47/06** (2006.01)

CPC (source: EP)

E05B 47/0615 (2013.01); **E05B 47/0638** (2013.01); **E05B 1/0092** (2013.01); **E05B 47/0004** (2013.01); **E05B 47/0011** (2013.01); **E05B 47/0676** (2013.01); **E05B 2047/0058** (2013.01); **E05B 2047/0062** (2013.01)

Citation (search report)

- [XYI] DE 19724085 C1 19981029 - KIEKERT AG [DE]
- [XAI] EP 1400645 A1 20040324 - TOKAI RIKAI CO LTD [JP]
- [XAI] DE 20114838 U1 20011213 - DRUMM GMBH [DE]
- [XY] DE 102008027160 A1 20091210 - CONTI TEMIC MICROELECTRONIC [DE]
- [Y] US 3984707 A 19761005 - MCCLINTOCK RICHARD D
- [Y] DE 10052640 A1 20020502 - BAYERISCHE MOTOREN WERKE AG [DE]
- [A] US 7605482 B2 20091020 - BROWN STUART B [US], et al

Cited by

DE102014111413B3; EP2568101A3; CN107386789A; RU2616907C1; CN106849310A; AT525744A4; AT525744B1; CN112955619A; EP2985398A1; WO2017188856A1

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 2372052 A2 20111005; EP 2372052 A3 20140625; EP 2372052 B1 20151216; AT 509465 A4 20110915; AT 509465 B1 20110915; ES 2559240 T3 20160211

DOCDB simple family (application)

EP 11450022 A 20110215; AT 5112010 A 20100330; ES 11450022 T 20110215