

Title (en)

Method for operating an electric door opener and electric door opener

Title (de)

Verfahren zum Betreiben eines elektrischen Türöffners, sowie elektrischer Türöffner

Title (fr)

Procédé de fonctionnement d'une ouverture de porte électrique et ouverture de porte électrique

Publication

**EP 2602408 B1 20160803 (DE)**

Application

**EP 12196090 A 20121207**

Priority

DE 102011121702 A 20111209

Abstract (en)

[origin: EP2602408A2] The method involves switching a locking element from locking position into release position when current flows through a solenoid. The current intensity of current is set to an effective value, by adjusting ratio of pulse durations (t1,t3) during which voltage pulses (P1-P4) are applied and pulse interval durations (t2,t4) during which voltage is not applied. The pulse duration (t1) and pulse interval duration (t2) during disengagement periods (LLZ1, LLZ2) are kept constant. The interval between two disengagement periods is greater than pulse interval. An independent claim is included for electric door opener.

IPC 8 full level

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

CPC (source: EP)

**E05B 17/22** (2013.01); **E05B 47/0046** (2013.01); **E05B 2047/0057** (2013.01); **E05B 2047/0073** (2013.01)

Cited by

EP2865829A1; EP3040498A1; DE102014209113A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ 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

DOCDB simple family (publication)

**EP 2602408 A2 20130612; EP 2602408 A3 20140430; EP 2602408 B1 20160803**; DE 102011121702 A1 20130613;  
DE 102011121702 B4 20140605; DE 102011121702 C5 20160811; DE 202012013337 U1 20160609; ES 2600923 T3 20170213;  
PL 2602408 T3 20170131

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