

Title (en)

Method for controlling an electromagnetic suction system and electromagnetic suction system for implementing said method

Title (de)

Steuerverfahren eines elektromagnetischen Saugnapfsystems, und elektromagnetisches Saugnapfsystem zur Umsetzung dieses Verfahrens

Title (fr)

Procédé de commande d'un système de ventouse électromagnétique et système de ventouse électromagnétique convenant à la mise en oeuvre dudit procédé

Publication

**EP 2538005 B1 20170913 (FR)**

Application

**EP 12305683 A 20120615**

Priority

- FR 1155387 A 20110620
- FR 1155388 A 20110620

Abstract (en)

[origin: EP2538005A1] The method involves controlling an electromagnet (2') by switching supply voltage periodically between square or rectangular signals. The electromagnet is controlled to move from a standby mode to working mode by adjusting duty cycle to satisfy a proportionality equation. A predetermined value of current is provided to establish current in the electromagnet according to the standby mode or working mode. The duty cycle and a switching mode of the electromagnet are adjusted in a continuous manner. An independent claim is also included for an electromagnetic lock system.

IPC 8 full level

**E05C 19/16** (2006.01)

CPC (source: EP)

**E05C 19/166** (2013.01)

Cited by

FR3007445A1; CN112578231A

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

DOCDB simple family (publication)

**EP 2538005 A1 20121226; EP 2538005 B1 20170913**; ES 2652364 T3 20180201; PT 2538005 T 20171215

DOCDB simple family (application)

**EP 12305683 A 20120615**; ES 12305683 T 20120615; PT 12305683 T 20120615