Title (en)

ELECTRICAL CONTACTOR AND METHOD FOR CONTROLLING AN ELECTROMAGNETIC COIL IN SUCH A CONTACTOR

Title (de)

ELEKTRISCHER KONTAKTOR UND VERFAHREN ZUR STEUERUNG EINER ELEKTROMAGNETISCHEN SPULE IN EINEM DERARTIGEN KONTAKTOR

Title (fr)

CONTACTEUR ELECTRIQUE ET PROCEDE DE PILOTAGE D'UNE BOBINE ELECTROMAGNETIQUE DANS UN TEL CONTACTEUR

Publication

EP 2984671 B1 20170517 (FR)

Application

EP 14716833 A 20140411

Priority

- FR 1353328 A 20130412
- EP 2014057361 W 20140411

Abstract (en)

[origin: WO2014167089A1] This electrical contactor (10) comprises at least one pair of fixed contacts (16) and, for each pair of fixed contacts (16), a movable contact (17) that can be moved between a closed position and an open position, and an electromagnetic coil (14) capable of controlling the or each movable contact (17) into the closed position or into the open position. The contactor (10) comprises an electronic module (13) for controlling the electromagnetic coil (14), the module comprising a switch (26) connected in series to the coil (14) and a device (28) for controlling the switch (26). The switch (26) comprises two conduction electrodes and one control electrode. The control device (28) comprises means (31) for calculating a pulse width modulated signal (S1) and means (32) for applying the calculated signal to the electrode controlling the switch (26). The pulse width modulated signal (S1) has a duty cycle of which the value varies over time when the or each movable contact (17) is controlled into the closed position.

IPC 8 full level

H01H 47/00 (2006.01); **H01H 47/22** (2006.01); **H01H 47/32** (2006.01)

CPC (source: EP)

H01H 47/002 (2013.01); **H01H 47/223** (2013.01); **H01H 47/325** (2013.01); H01F 2007/1888 (2013.01)

Cited by

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DOCDB simple family (publication)

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