

Title (en)

METHOD AND DEVICE FOR CONTROLLING A RELAY

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ANSTEUERUNG EINES RELAIS

Title (fr)

PROCÉDÉ ET DISPOSITIF DE COMMANDE D'UN RELAIS

Publication

EP 3855467 B1 20231018 (DE)

Application

EP 21152556 A 20210120

Priority

DE 102020200944 A 20200127

Abstract (en)

[origin: US2021233722A1] In a method for controlling a relay with a relay contact, switching as an opening operation or a closing operation at the relay is temporally captured with respect to accurate opening or closing of the relay contact in comparison with a switching voltage zero crossing of a switching voltage to be switched. An actual switching time is determined and is corrected by means of further capturing of switching operations. A microcontroller is used for this purpose, and the signals can be digitally captured, that is to say at an A/D input.

IPC 8 full level

H01H 9/56 (2006.01); **H01H 47/18** (2006.01)

CPC (source: EP US)

H01H 9/56 (2013.01 - EP US); **H01H 47/18** (2013.01 - EP US); **H01H 2009/566** (2013.01 - EP US)

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 3855467 A1 20210728; EP 3855467 B1 20231018; DE 102020200944 A1 20210729; PL 3855467 T3 20240325; US 11367579 B2 20220621; US 2021233722 A1 20210729

DOCDB simple family (application)

EP 21152556 A 20210120; DE 102020200944 A 20200127; PL 21152556 T 20210120; US 202117140425 A 20210104