Title (en)

METHOD AND ELECTRONIC CIRCUIT FOR RELAY STOCK DETECTION

Title (de)

VERFAHREN UND ELEKTRONISCHE SCHALTUNG ZUR RELAISBESTANDSDETEKTION

Title (fr)

PROCÉDÉ ET CIRCUIT ÉLECTRONIQUE DE DÉTECTION DE STOCK DE RELAIS

Publication

EP 4227974 A1 20230816 (EN)

Application

EP 22155770 A 20220209

Priority

EP 22155770 A 20220209

Abstract (en)

Disclosed are a method for picking up the relay coil current vs. time pattern I(t) during a relay switch OFF procedure by observing a negative peak on a 3rd differential curve at the time of an expected relay switching OFF (releasing its NO contact touch) and comparing the height of that peak to an expected (pre-memorized) height value typical for normally working relay, a three-step C-R differentiator circuit, and an electric household appliance.

IPC 8 full level

H01H 47/00 (2006.01)

CPC (source: EP)

H01H 47/002 (2013.01); **H01H 47/005** (2013.01); H01H 3/001 (2013.01)

Citation (applicant)

WO 2020020555 A1 20200130 - BSH HAUSGERAETE GMBH [DE]

Citation (search report)

- [AD] WO 2020020555 A1 20200130 - BSH HAUSGERAETE GMBH [DE]
- [A] WO 2017055031 A1 20170406 - BSH HAUSGERAETE GMBH [DE]
- [A] DE 102020207276 A1 20211216 - BSH HAUSGERAETE GMBH [DE]

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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