

Title (en)

CIRCUIT DEVICE FOR OPERATING A MOTOR AND CORRESPONDING METHOD

Title (de)

SCHALTVORRICHTUNG ZUM BETREIBEN EINES MOTORS UND ENTSPRECHENDES VERFAHREN

Title (fr)

DISPOSITIF DE COMMUTATION SERVANT A FAIRE FONCTIONNER UN MOTEUR, ET PROCEDE CORRESPONDANT

Publication

EP 1733470 A1 20061220 (DE)

Application

EP 05717083 A 20050316

Priority

- EP 2005051222 W 20050316
- DE 102004016739 A 20040405

Abstract (en)

[origin: WO2005099080A1] The aim of the invention is to provide an inexpensive electronic arc quenching system which reliably detects and processes a non-functional state of opening of the bypass contacts (1) of a circuit device for starting a motor for example due to malfunction or mechanical stress. For this purpose, the voltage across a parallel circuit device consisting of the bypass system (1) and a semiconductor device (2) is detected and the circuit elements (1, 3, 4) are controlled in accordance therewith. If the bypass system (1) is unintentionally opened, an arc voltage is applied to the bypass contacts. When this voltage is detected, the control unit (8) switches on the semiconductor device (2) so that the current flows across the semiconductor device (2) and the arc is extinguished.

IPC 8 full level

H01H 9/54 (2006.01); **H02P 1/28** (2006.01)

CPC (source: EP)

H01H 9/542 (2013.01); **H01H 2009/546** (2013.01)

Citation (search report)

See references of WO 2005099080A1

Cited by

CN104781898A; US9509132B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005099080 A1 20051020; DK 1733470 T3 20121203; EP 1733470 A1 20061220; EP 1733470 B1 20120815

DOCDB simple family (application)

EP 2005051222 W 20050316; DK 05717083 T 20050316; EP 05717083 A 20050316