

Title (en)

METHOD FOR OPERATING AN ELECTROMAGNETIC SWITCHING DEVICE AND ELECTROMAGNETIC SWITCHING DEVICE

Title (de)

VERFAHREN ZUM BETRIEB EINES ELEKTROMAGNETISCHEN SCHALTGERÄTS UND ELEKTROMAGNETISCHES SCHALTGERÄT

Title (fr)

PROCEDE D'UTILISATION D'UN APPAREIL DE COMMUTATION ELECTROMAGNETIQUE ET APPAREIL DE COMMUTATION ELECTROMAGNETIQUE

Publication

**EP 1290704 B1 20040721 (DE)**

Application

**EP 01943169 A 20010530**

Priority

- DE 0102045 W 20010530
- DE 10029789 A 20000616

Abstract (en)

[origin: DE10029789C1] The switching device operating method has a switch pulse (A) supplied to a switching drive (12), for operation of switch sets (6), each provided with a switch contact (8) and connected to a respective line (L1-L3) of the supply network, with measurement of the current characteristic for at least one of these lines, for determining the optimum switching point. Different switching points are used for different switching operations, for providing a uniform loading of the switch contacts. An Independent claim for a switching device is also included.

IPC 1-7

**H01H 9/56**

IPC 8 full level

**H01H 9/54** (2006.01); **H01H 9/56** (2006.01); **H01H 47/22** (2006.01)

CPC (source: EP US)

**H01H 9/563** (2013.01 - EP US); **H01H 2009/566** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

**DE 10029789 C1 20011011**; CN 1214420 C 20050810; CN 1436356 A 20030813; DE 50102937 D1 20040826; EP 1290704 A1 20030312; EP 1290704 B1 20040721; JP 2004503903 A 20040205; US 2003174457 A1 20030918; US 6927959 B2 20050809; WO 0197239 A1 20011220

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**DE 10029789 A 20000616**; CN 01811077 A 20010530; DE 0102045 W 20010530; DE 50102937 T 20010530; EP 01943169 A 20010530; JP 2002511349 A 20010530; US 31137902 A 20021216