

Title (en)

DEVICE FOR SAFELY DISCONNECTING AN ELECTRICAL LOAD WITH ESPECIALLY HIGH INDUCTIVITY FROM AN ELECTRICAL DC-VOLTAGE SUPPLY

Title (de)

VORRICHTUNG ZUR SICHEREN ABSCHALTUNG EINER ELEKTRISCHEN LAST, MIT INSBESONDERE HOHER INDUKTIVITÄT, VON EINER ELEKTRISCHEN GLEICHSPANNUNGSVERSORGUNG

Title (fr)

DISPOSITIF DE DECONNEXION FIABLE D'UNE CHARGE ELECTRIQUE, NOTAMMENT A FORTE INDUCTIVITE, D'UN SYSTEME D'ALIMENTATION EN TENSION CONTINUE ELECTRIQUE

Publication

**EP 1088318 B1 20020403 (DE)**

Application

**EP 99936261 A 19990517**

Priority

- DE 9901480 W 19990517
- DE 29809550 U 19980529

Abstract (en)

[origin: CA2333483A1] A first and a second line (L1, L2) conduct the input direct voltage (Ue) to the load. A fuse (S) is connected in series in the first line. The switching contact (K11) of a first relay (K1) is also connected in series in the first line and is opened during a disconnecting operation. The switching contact (K21) of a second relay (K2) is connected in parallel between the first and second line after the first relay and is closed during a disconnecting operation, after the first relay has been opened. The inventive device is very fault-tolerant, even with usual commercial relays.

IPC 1-7

**H01H 7/00**

IPC 8 full level

**H02H 7/085** (2006.01); **H01H 7/00** (2006.01); **H01H 47/00** (2006.01)

CPC (source: EP US)

**H01H 47/004** (2013.01 - EP US)

Designated contracting state (EPC)

BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

**DE 29809550 U1 19990708**; CA 2333483 A1 19991209; CN 1113447 C 20030702; CN 1287702 A 20010314; DE 59901130 D1 20020508; EP 1088318 A2 20010404; EP 1088318 B1 20020403; JP 2002517968 A 20020618; JP 3831611 B2 20061011; KR 20010043925 A 20010525; US 2001002101 A1 20010531; US 6366434 B2 20020402; WO 9963561 A2 19991209; WO 9963561 A3 20000602

DOCDB simple family (application)

**DE 29809550 U 19980529**; CA 2333483 A 19990517; CN 99801974 A 19990517; DE 59901130 T 19990517; DE 9901480 W 19990517; EP 99936261 A 19990517; JP 2000552693 A 19990517; KR 20007013462 A 20001129; US 72534100 A 20001129