

Title (en)

SAFETY SWITCH DEVICE FOR SWITCHING ON AND SAFELY SWITCHING OFF AN ELECTRICAL USER, IN PARTICULAR AN ELECTRICALLY DRIVEN MACHINE

Title (de)

SICHERHEITSSCHALTGERÄT ZUM EIN- UND SICHEREN AUSSCHALTEN EINES ELEKTRISCHEN VERBRAUCHERS, INSBESONDERE EINER ELEKTRISCH ANGETRIEBENEN MASCHINE

Title (fr)

COMMUTATEUR DE SECURITE SERVANT A LA MISE SOUS TENSION ET A LA MISE HORS TENSION DE SECURITE D'UN RECEPTEUR ELECTRIQUE, EN PARTICULIER D'UNE MACHINE A ENTRAINEMENT ELECTRIQUE

Publication

**EP 1228519 B1 20040526 (DE)**

Application

**EP 00971407 A 20001102**

Priority

- DE 19954460 A 19991112
- EP 0010788 W 20001102

Abstract (en)

[origin: US6570272B2] The present invention relates to a safety switching device for connecting and safely disconnecting an electrical load, in particular an electrically driven machine. The safety switching device includes first and second electromechanical switching elements whose operating contacts are arranged in series with one another between a first input terminal and an output terminal of the switching device. Furthermore, the switching device has a second input terminal for receiving a switching signal. The switching signal acts on the switch position of the operating contacts of the two switching elements. According to a preferred embodiment, the first switching element has a lower nominal switching capacity than the second switching element.

IPC 1-7

**H01H 47/00**

IPC 8 full level

**H01H 47/00** (2006.01)

CPC (source: EP US)

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

Cited by

CN104272420A; US11688573B2

Designated contracting state (EPC)

AT BE CH CY DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 0137302 A1 20010525**; AT E268053 T1 20040615; AU 1027401 A 20010530; DE 19954460 A1 20010920; DE 19954460 C2 20020228; EP 1228519 A1 20020807; EP 1228519 B1 20040526; JP 2003514361 A 20030415; JP 4490616 B2 20100630; US 2002130557 A1 20020919; US 6570272 B2 20030527

DOCDB simple family (application)

**EP 0010788 W 20001102**; AT 00971407 T 20001102; AU 1027401 A 20001102; DE 19954460 A 19991112; EP 00971407 A 20001102; JP 2001537760 A 20001102; US 14348002 A 20020509