

Title (en)
OVERVOLTAGE PROTECTION DEVICE

Title (de)
ÜBERSpannungSSchutzVORRIChtung

Title (fr)
DISPOSITIF DE PROTECTION CONTRE LES SURTENSIONS

Publication
EP 0727091 B1 19970827 (DE)

Application
EP 94921523 A 19940715

Priority
• AT 9400094 W 19940715
• AT 220193 A 19931102

Abstract (en)
[origin: WO9512893A1] An overvoltage protection device (2) has a plurality of varistors (51) fitted in a housing, whose earth electrodes are electrically interconnected via a strip (58). The mains electrodes (53) of the varistors are connected to contacts (34) via separators (60, 61). The separators consist of a push-rod in the form of a tubular rivet (60) connected to the electrodes (53) via a soft-soldered point (61). The push-rod (60) can move in a guide (100) of insulating material. One end of each push-rod (60) act together with a rocker (70) shared by all the separators which can pivot in the overvoltage protection device. On triggering, i.e. when one of the varistors (51) is overloaded, the soft-soldered connection (61) opens and the push-rod (60) concerned, actuated by a release spring (62), pivots the rocker (70) so that further switching operations are triggered. The rocker (70) also bears an indicating device (90, 91) visible through a window in the housing of the overvoltage protecting device (2), making it possible to see from outside that one of the separators (60, 61) has been triggered. As a single rocker (70) is allocated to all the separators, the design of the overvoltage protecting device is simple.

IPC 1-7
H01H 83/10; **H01C 7/12**

IPC 8 full level
H01C 7/12 (2006.01); **H01H 83/10** (2006.01)

CPC (source: EP)
H01C 7/126 (2013.01); **H01H 37/761** (2013.01); **H01H 83/10** (2013.01); **H01H 2037/763** (2013.01)

Cited by
DE102008026555A1; CZ301709B6; DE102008026555B4; US8526159B2; US11817237B2; WO2009147043A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IE IT LI LU NL SE

DOCDB simple family (publication)
WO 9512893 A1 19950511; AT 400781 B 19960325; AT A220193 A 19950715; AT E157480 T1 19970915; AU 677682 B2 19970501; AU 7236994 A 19950523; CZ 128696 A3 19981216; CZ 284812 B6 19990317; DE 59403893 D1 19971002; DK 0727091 T3 19970929; EP 0727091 A1 19960821; EP 0727091 B1 19970827; ES 2109003 T3 19980101; HU 215889 B 19990329; HU 9601164 D0 19960729; HU T75409 A 19970528; NO 308818 B1 20001030; NO 961788 D0 19960502; NO 961788 L 19960624; PL 174999 B1 19981030; PL 314226 A1 19960902

DOCDB simple family (application)
AT 9400094 W 19940715; AT 220193 A 19931102; AT 94921523 T 19940715; AU 7236994 A 19940715; CZ 128696 A 19940715; DE 59403893 T 19940715; DK 94921523 T 19940715; EP 94921523 A 19940715; ES 94921523 T 19940715; HU 9601164 A 19940715; NO 961788 A 19960502; PL 31422694 A 19940715