

Title (en)

SELF-COMPRESSIVE SURGE ARRESTER MODULE AND METHOD OF MAKING SAME

Title (de)

SELBSTKOMPRIMIERENDER ÜBERSpannungsableitermodul und verfahren zu seiner herstellung

Title (fr)

Module auto-compresseur de protection contre les surtensions et procede de fabrication

Publication

**EP 0954893 B1 20100707 (EN)**

Application

**EP 97914887 A 19970303**

Priority

- US 9703518 W 19970303
- US 1266796 P 19960301

Abstract (en)

[origin: WO9732382A1] A surge arrester module having an array of MOV's and other components includes an insulative coating (16) for applying an axially compressive force to the stacked array. The component stack (20), while held in an axially compressed condition, receives the insulative casing that includes thermosetting resin that, when cured, has a coefficient of thermal expansion that is greater than that of the components of the stack. The coated stack is then cured at a temperature that exceeds the maximum expected temperature that will be experienced by the arrester components. Upon cooling, the components of the array are held in compression and adequate electrical contact with each other is maintained by the casing. Fiberglass strands (24, 28) are included in the casing for reinforcement and cantilever strength. A method of manufacturing the module is also disclosed.

IPC 8 full level

**H02H 9/04** (2006.01); **H01C 7/10** (2006.01); **H01C 7/12** (2006.01); **H01T 1/16** (2006.01); **H01T 4/04** (2006.01)

CPC (source: EP)

**H01C 7/10** (2013.01); **H01C 7/12** (2013.01)

Cited by

WO2023242115A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL LT LV RO SI

DOCDB simple family (publication)

**WO 9732382 A1 19970904**; AR 006054 A1 19990721; AT E473534 T1 20100715; AU 1975997 A 19970916; AU 2197697 A 19970916; AU 727154 B2 20001207; BR 9707900 A 19990727; CO 4600617 A1 19980508; DE 69739926 D1 20100819; EP 0954893 A1 19991110; EP 0954893 A4 19991110; EP 0954893 B1 20100707; JP 2000512074 A 20000912; JP 4327250 B2 20090909; KR 19990087547 A 19991227; MX 9701634 A 19980430; NO 983997 D0 19980831; NO 983997 L 19981030; NZ 331649 A 20000228; PL 183435 B1 20020628; PL 328631 A1 19990215; TW 382153 B 20000211; WO 9732319 A1 19970904

DOCDB simple family (application)

**US 9703518 W 19970303**; AR P970100823 A 19970228; AT 97914887 T 19970303; AU 1975997 A 19970226; AU 2197697 A 19970303; BR 9707900 A 19970303; CO 97011349 A 19970303; DE 69739926 T 19970303; EP 97914887 A 19970303; JP 53121897 A 19970303; KR 19980706984 A 19980901; MX 9701634 A 19970303; NO 983997 A 19980831; NZ 33164997 A 19970303; PL 32863197 A 19970303; TW 86101939 A 19970505; US 9702966 W 19970226