

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

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Application

EP 97914887 A 19970303

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- 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

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