

Title (en)
SURGE ARRESTOR FAIL SAFE THERMAL OVERLOAD MECHANISM.

Title (de)
EIGENSICHERER THERMISCHER ÜBERLASTMECHANISMUS FÜR ÜBERSpannungsABLEITER.

Title (fr)
MECANISME DE SURCHARGE THERMIQUE A SECURITE INTEGREE POUR LIMITEUR DE TENSION.

Publication
EP 0648372 A1 19950419 (EN)

Application
EP 93918148 A 19930629

Priority
• US 9306361 W 19930629
• US 90695292 A 19920630

Abstract (en)
[origin: WO9400864A1] A spring member (32) and associated channel member (28) bias a solder billet (22) into engagement with a ground electrode (16) of the surge arrestor. When the solder melts in response to a thermal overload condition the channel member (28) causes molten solder from the billet to flow preferentially along a path establishing a low resistance short circuit between the electrodes. Flow of the solder to desired locations is enhanced by solder flux, which preferably is of rosin type having substantial dielectric properties.

IPC 1-7
H01H 39/00; **H02H 3/22**; **H02H 7/24**; **H01T 1/14**

IPC 8 full level
H02H 7/00 (2006.01); **H01R 4/24** (2006.01); **H01R 13/52** (2006.01); **H01T 1/14** (2006.01); **H04M 3/18** (2006.01); **H04Q 1/02** (2006.01)

CPC (source: EP KR)
H01H 39/00 (2013.01 - KR); **H01R 4/2433** (2013.01 - EP); **H01R 13/5216** (2013.01 - EP); **H01T 1/14** (2013.01 - EP); **H04M 3/18** (2013.01 - EP); **H04Q 1/028** (2013.01 - EP)

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