

Title (en)

Electric circuit protection device having electrical parts ultrasonically joined using a brazing alloy

Title (de)

Elektrischer Schaltungsschutzeinrichtung mit Ultraschall geschweissten elektrische Teilen unter benützung von einer Hartlötlegierung

Title (fr)

Dispositif de protection de circuits électriques comportant des parties électriques jointes par ultrasons au moyen d'un alliage de brasage

Publication

EP 1261000 B1 20031112 (EN)

Application

EP 02078046 A 19980921

Priority

- EP 98947169 A 19980921
- US 94133797 A 19970930
- US 94133497 A 19970930

Abstract (en)

[origin: WO9917321A1] An electric circuit protection device comprising an interruptable current path for interrupting current flow to a load including trip means for tripping the interruptable current path upon occurrence of a load fault, the interruptable current path comprising first and second electrically conductive parts that have been joined by ultrasonic welding to establish electric conductivity between them, the first part comprising non-alloying material, the second part comprising non-ferrous material, and a brazing material that has been acted upon by the ultrasonic welding to join the parts, the brazing material being selected to comprise at least two materials, one of the two materials being elemental copper, and the elemental copper being the largest single constituent of the brazing material.

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