

Title (en)

MINIATURIZED CONNECTION DEVICE FOR ELECTRICALLY CONDUCTIVE ELEMENTS SUBMITTED TO VERY HIGH INTENSITIES

Publication

EP 0219361 B1 19910403 (FR)

Application

EP 86401741 A 19860804

Priority

FR 8512069 A 19850805

Abstract (en)

[origin: US4736070A] A miniaturized overload protection device for connecting electrical components and two or more electrically conductive wires and, more particularly, for connecting the adjacent end parts of the two wires together and connecting the other ends to the electrical components, comprising a protective device for connecting two electrically conductive wires together, and electrical components adapted to be connected with the electrically conductive wires. The protective device includes a binder having a low melting point, which is solid at ambient temperature to surround the adjacent end parts of the two wires when they are placed together and provides the mechanical strength therefor; and a coating made from a rigid material completely surrounding the solid binder and confining this binder in position at the time of its melting caused by a high current flowing through the conductive wires, thus maintaining the connection between the conductive wires. And, the miniaturized overload protection device includes the electrical components connected with the protective device, and the coating surrounding the binder also surrounds the electrical components.

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IPC 8 full level

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