

Title (en)  
**MINIATURE FUSE**

Publication  
**EP 0321771 B1 19920610 (DE)**

Application  
**EP 88120289 A 19881205**

Priority  
• DE 3742532 A 19871216  
• DE 8812144 U 19880926

Abstract (en)  
[origin: EP0321771A2] A miniature fuse which has a fusing conductor (7), which melts in the event of an overload, in a gas-filled or evacuated chamber (9), which is sealed in a pressure-proof manner, is characterised by the arrangement of a metal surface (14) in the vicinity of the fusing conductor (7) in the chamber (9). The design of the metal surface (14) and its position with respect to the fusing conductor (7) are selected such that the arc (10) occurring on the fusing conductor when the fuse ruptures can transfer onto the metal surface (14), so that at least one secondary arc (11) is produced in parallel over the metal surface (14). As a result of the melting of the metal surface (14), so much heat is absorbed that the secondary arc (11) is extinguished. <IMAGE>

IPC 1-7  
**H01H 85/04; H01H 85/38**

IPC 8 full level  
**H01H 85/165** (2006.01); **H01H 37/76** (2006.01); **H01H 85/04** (2006.01); **H01H 85/041** (2006.01); **H01H 85/147** (2006.01); **H01H 85/17** (2006.01); **H01H 85/18** (2006.01); **H01H 85/38** (2006.01); **H01H 85/00** (2006.01)

CPC (source: EP US)  
**H01H 85/0417** (2013.01 - EP US); **H01H 85/38** (2013.01 - EP US); **H01H 85/003** (2013.01 - EP US); **H01H 2085/0034** (2013.01 - EP US); **H01H 2085/388** (2013.01 - EP US)

Cited by  
DE9007239U1; CN112292746A; WO2012025853A1

Designated contracting state (EPC)  
CH DE FR GB LI

DOCDB simple family (publication)  
**EP 0321771 A2 19890628; EP 0321771 A3 19891206; EP 0321771 B1 19920610**; DE 3871925 D1 19920716; JP H025328 A 19900110; US 4899123 A 19900206

DOCDB simple family (application)  
**EP 88120289 A 19881205**; DE 3871925 T 19881205; JP 31482888 A 19881213; US 28449888 A 19881215