

Title (en)  
High power fuse assembly

Title (de)  
Hochleistungssicherung

Title (fr)  
Fusible à haute puissance

Publication  
**EP 0932223 B1 20030416 (EN)**

Application  
**EP 99100581 A 19990114**

Priority  
• EP 99100581 A 19990114  
• EP 98400119 A 19980122

Abstract (en)  
[origin: EP0932223A1] A fuse portion (8) of low melting point alloy for high power applications, is provided with a columnar grain structure extending in a direction (I) of flow of electrical current through fuse. The columnar grain structure enhances creep resistance of the fuse portion when subject to tensile forces acting in the direction of current flow. The columnar grain structure is produced by directional solidification of the fuse alloy. A laser is provided as heat source. <IMAGE>

IPC 1-7  
**H01R 11/28**; **H01H 85/044**

IPC 8 full level  
**H01H 85/044** (2006.01); **H01H 85/06** (2006.01); **H01R 11/28** (2006.01)

CPC (source: EP)  
**H01H 85/044** (2013.01); **H01H 85/06** (2013.01); **H01R 11/287** (2013.01); **H01H 2069/025** (2013.01)

Cited by  
FR2871302A1; EP1146594A3; EP3526805A4; US7701035B2; EP1146594A2; WO2018071516A1

Designated contracting state (EPC)  
DE FR GB

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