

Title (en)

Fuse element with profiled contact pins and manufacturing process

Title (de)

Sicherungselement mit profilierten Kontaktpfosten und ein Verfahren zu dessen Herstellung

Title (fr)

Élément fusible avec pieds de contact profilés et procédé de fabrication

Publication

EP 1517348 B1 20071121 (DE)

Application

EP 03021386 A 20030922

Priority

EP 03021386 A 20030922

Abstract (en)

[origin: EP1517348A1] The fuse element has a fuse conductor (5) attached at opposite ends to a pair of contact posts (1) via a laser welding process, the laser welding beam directed onto an incidence point of the contact post facing the welding point, the contact post having a reduced material thickness in the vicinity of the incidence point and the welding point. The reduced material thickness region (3) extends through only part of the contact post, with an adjacent support region (4) of greater material thickness remaining. An independent claim for a method for manufacture of an electrical fuse element is also included.

IPC 8 full level

H01H 85/147 (2006.01); **H01H 85/041** (2006.01)

CPC (source: EP)

H01H 85/147 (2013.01); **H01H 85/0417** (2013.01); **H01H 2069/025** (2013.01)

Cited by

DE112006003928B4

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1517348 A1 20050323; **EP 1517348 B1 20071121**; DE 50308654 D1 20080103

DOCDB simple family (application)

EP 03021386 A 20030922; DE 50308654 T 20030922