

Title (en)

Helically wound fusible conductor for fuse element with plastic sealing

Title (de)

Wickelschmelzleiter für ein Schmelzsicherungsbauelement mit Kunststoffversiegelung

Title (fr)

Conducteur fusible pour coupe-circuit enroulée en hélice avec fermeture en plastique

Publication

**EP 1729317 A1 20061206 (DE)**

Application

**EP 05011930 A 20050602**

Priority

EP 05011930 A 20050602

Abstract (en)

Fuse wire has a fuse wire strand (2) wound over an electrically insulating or high-impedance core (3). A temperature stable plastic (4) is applied on the core in such a manner that the surface area of the core freely lying between the fuse wire strand is covered by the plastic. The spaces formed between the wound fuse wire strand and the surface of the core is also filled with the plastic. An independent claim is also included for the production of a coiled fuse wire.

IPC 8 full level

**H01H 85/18** (2006.01); **H01H 85/042** (2006.01); **H01H 85/42** (2006.01)

CPC (source: EP US)

**H01H 85/042** (2013.01 - EP US); **H01H 85/185** (2013.01 - EP US); **H01H 85/42** (2013.01 - EP US)

Citation (search report)

- [X] US 5736919 A 19980407 - REEDER CONRAD M [US]
- [A] DE 3039987 A1 19820603 - MUELLER JEAN KG ELEKTROTECH [DE]

Designated contracting state (EPC)

DE

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

**EP 1729317 A1 20061206**; **EP 1729317 B1 20071024**; CN 1873875 A 20061206; DE 502005001781 D1 20071206; JP 2006339161 A 20061214; JP 4733570 B2 20110727; US 2007132539 A1 20070614

DOCDB simple family (application)

**EP 05011930 A 20050602**; CN 200610093012 A 20060602; DE 502005001781 T 20050602; JP 2006154828 A 20060602; US 42197806 A 20060602