

Title (en)

Method of producing electrothermal filament containing carbon black and the product of the method

Title (de)

Verfahren zur Herstellung von Russ enthaltenden elektrothermischen Filamenten und daraus hergestellte Produkte

Title (fr)

Procedé de fabrication de filaments électrothermiques contenant du noir de carbone et produits ainsi obtenus

Publication

EP 1416071 A1 20040506 (EN)

Application

EP 02024120 A 20021029

Priority

- EP 02024120 A 20021029
- US 28167102 A 20021028

Abstract (en)

An electrothermal filament is produced by mixing carbon black with a grafting monomer and initiator to form grafted copolymers and then adding a terminating agent to the mixture to stop the grafting; coating filaments with grafted copolymers by passing the filaments through the grafted copolymers to apply a carbon black layer on the filaments; and laminating membranes on the filament. An independent claim is also included for an electrothermal filament produced by the inventive method.

IPC 1-7

D01F 1/09; **D01D 11/06**; **H05B 3/34**

IPC 8 full level

D01D 11/06 (2006.01); **D01F 1/09** (2006.01); **H05B 3/14** (2006.01); **H05B 3/34** (2006.01)

CPC (source: EP US)

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Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 088 (C - 276) 17 April 1985 (1985-04-17)

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