

Title (en)  
Melt-spun, abrasion-resistant monofilaments

Title (de)  
Schmelzgesponnene, scheuerbeständige Monofile

Title (fr)  
Monofilaments filés au fondu, résistants à l'abrasion

Publication  
**EP 0784107 A2 19970716 (DE)**

Application  
**EP 96120750 A 19961223**

Priority  
DE 19600162 A 19960104

Abstract (en)  
Melt-spun monofilaments based on polyamide, polyester or polypropylene as fibre-forming polymer (I) are used for the production of technical wire, especially grass cutter wire or technical textiles. The novelty is that the monofilament contains (a) 99-70 wt.% (I), (b) 30-1 wt.% maleic anhydride-modified polyethylene/polypropylene rubber and also (c) NOTGREATER 3 wt.%, preferably 0.01-3 wt.% antioxidant with respect to the total amounts of (a) and (b). Also claimed are moulding screens or pressing blankets obtained from these monofilaments for processing cellulose fibres or paper manufacture.

Abstract (de)  
Die Erfindung betrifft schmelzgesponnene Monofile aus Polyamid, Polyester oder Polypropylen als fadenbildenden Polymeren mit verbesserter Scheuerfestigkeit und deren Verwendung zur Herstellung von Flächengebilden oder Verwendung als Draht.

IPC 1-7  
**D01F 6/90**; **D01F 6/92**; **D01F 6/46**; **D01F 1/10**

IPC 8 full level  
**A01D 34/73** (2006.01); **D01F 1/10** (2006.01); **D01F 6/06** (2006.01); **D01F 6/46** (2006.01); **D01F 6/60** (2006.01); **D01F 6/62** (2006.01); **D01F 6/90** (2006.01); **D01F 6/92** (2006.01); **D21F 1/00** (2006.01); **D21F 7/08** (2006.01)

CPC (source: EP US)  
**D01F 6/46** (2013.01 - EP US); **D01F 6/90** (2013.01 - EP US); **D01F 6/92** (2013.01 - EP US); **D21F 1/0027** (2013.01 - EP US); **Y10S 162/90** (2013.01 - EP US); **Y10T 83/9292** (2015.04 - EP US); **Y10T 428/2913** (2015.01 - EP US); **Y10T 428/2929** (2015.01 - EP US); **Y10T 428/2931** (2015.01 - EP US); **Y10T 428/2969** (2015.01 - EP US); **Y10T 442/20** (2015.04 - EP US); **Y10T 442/444** (2015.04 - EP US); **Y10T 442/602** (2015.04 - EP US); **Y10T 442/637** (2015.04 - EP US)

Citation (applicant)  
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• WO 9301325 A1 19930121 - PO HANG IRON & STEEL [KR], et al  
• "Handbuch der Kunststofftechnik II", 1986, C. HAUSER VERLAG, MUENCHEN, pages: 295 - 319

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AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**US 77482896 A 19961227**; AT 96120750 T 19961223; DE 19600162 A 19960104; DE 59602479 T 19961223; EP 96120750 A 19961223; JP 35604996 A 19961225