

Title (en)  
Monofilament based on polyethylene-2.6-naphthalate

Title (de)  
Monofile auf der Basis von Polyethylen 2,6-naphthalat

Title (fr)  
Monofilament à base de polyéthylène-2.6-naphthalate

Publication  
**EP 0967306 B1 20030903 (DE)**

Application  
**EP 99112139 A 19990624**

Priority  
DE 19828517 A 19980626

Abstract (en)  
[origin: EP0967306A1] Monofilaments based on polyethylene-2,6-naphthalate (PEN) contain 60-99.9 wt% PEN, 0.1-10 wt% liquid crystalline polymer(s) (LCP), 0-15 wt% polybutylene terephthalate (PBT), 0-3 wt% capping agent and optionally other additives. An Independent claim is also included for a process for the production of these monofilaments by mixing the above components, forming monofilaments from the melt and then cooling and stretching, using extrusion and stretching conditions matched to give monofilaments with a diameter of 0.08-1.5 mm.

IPC 1-7  
**D01F 6/92**; **D21F 1/00**

IPC 8 full level  
**D01F 6/92** (2006.01); **D21F 1/00** (2006.01)

CPC (source: EP US)  
**D01F 6/92** (2013.01 - EP US); **D21F 1/0027** (2013.01 - EP US); **Y10T 428/2913** (2015.01 - EP US); **Y10T 428/2929** (2015.01 - EP US)

Cited by  
US6643899B2; WO0196761A1; WO03054416A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0967306 A1 19991229**; **EP 0967306 B1 20030903**; AT E248938 T1 20030915; CA 2276642 A1 19991226; DE 19828517 A1 19991230; DE 19828517 C2 20001228; DE 59906826 D1 20031009; DK 0967306 T3 20031103; ES 2210904 T3 20040701; US 6165614 A 20001226

DOCDB simple family (application)  
**EP 99112139 A 19990624**; AT 99112139 T 19990624; CA 2276642 A 19990625; DE 19828517 A 19980626; DE 59906826 T 19990624; DK 99112139 T 19990624; ES 99112139 T 19990624; US 34413699 A 19990624