

Title (en)
PROCESS FOR PRODUCING COMPOSITE MONOFILAMENTS

Publication
EP 0132110 A3 19850605 (EN)

Application
EP 84304721 A 19840711

Priority
JP 12866683 A 19830714

Abstract (en)
[origin: EP0132110A2] A process for producing a composite monofilament of sheath-and-core type having heat-adhesive properties, superior strengths, no curl and no peeling of the composite components is provided, which process comprises subjecting a low melting polyolefin selected from high density polyethylene, linear chain, low density polyethylene, polypropylene (PP) of m.p. 135 DEG C or lower, or mixture thereof, and a high melting PP of m.p. 150 DEG C or higher, to a sheath-and-core type composite spinning using the former resin as the sheath component and the latter resin as the core component, into a composite monofilament, the melt flow index ratio of the former component to the latter being 1.5 SIMILAR 7, and the composite ratio being 30 : 70 to 60 : 40; and stretching the composite filament to 6 SIMILAR 9 times.

IPC 1-7
D01F 8/06

IPC 8 full level
D01D 5/30 (2006.01); **D01F 8/06** (2006.01); **D06C 7/00** (2006.01)

CPC (source: EP KR)
D01D 5/30 (2013.01 - KR); **D01F 8/06** (2013.01 - EP)

Citation (search report)
• [Y] US 4285748 A 19810825 - BOOKER HAZAEL E, et al
• [Y] DE 2358484 A1 19740612 - CHISSO CORP
• [A] US 4211819 A 19800708 - INADOMI SEIGO [JP], et al
• [Y] PATENTS ABSTRACTS OF JAPAN, vol.2, no.122 page 2429 C 78, 13-10-1978 & JP-A 53 86 836 (CHISSO K.K.) (31-07-1978)

Cited by
EP0311860A3; CN114150411A; EP0260607A3; EP0340763A1; US5456982A; EP0339410A1; US5116524A; US6878650B2; WO2019119736A1; WO8910989A1; WO8910394A1

Designated contracting state (EPC)
DE FR GB SE

DOCDB simple family (publication)
EP 0132110 A2 19850123; EP 0132110 A3 19850605; EP 0132110 B1 19880107; DE 3468448 D1 19880211; JP S6021908 A 19850204; JP S633969 B2 19880127; KR 850001316 A 19850318; KR 870000442 B1 19870310

DOCDB simple family (application)
EP 84304721 A 19840711; DE 3468448 T 19840711; JP 12866683 A 19830714; KR 840004154 A 19840714