

Title (en)
PROCESS FOR PRODUCING A MULTIFILAMENT YARN

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES MULTIFILAMENTGARNS

Title (fr)
PROCÉDÉ POUR PRODUIRE UN FIL MULTIFILAMENT

Publication
EP 2084322 B1 20110330 (EN)

Application
EP 07819774 A 20071113

Priority

- EP 2007009788 W 20071113
- EP 06023981 A 20061118
- EP 07819774 A 20071113

Abstract (en)
[origin: WO2008058696A1] A process is disclosed for producing a multifilament yarn from a molten thermoplastic polymer comprising melt-spinning of the thermoplastic polymer, extruding the molten thermoplastic polymer through a spinneret to form a plurality of filaments, and passing the filaments through a cooling zone to enable the spun filaments to be solidified to produce an undrawn yarn, applying a primary spin finish to the undrawn yarn and continuously drawing the undrawn yarn in one or more stages to produce a drawn yarn, applying a secondary spin finish during or after drawing and subsequently winding the drawn yarn, wherein the yarn temperature when entering the secondary spin finish is greater than 150 °C, that the secondary spin finish contains one or more adhesion activating components in an oil based composition and that the oil based composition consists of components with an evaporation rate of less than 10 wt.-% at the given yarn temperature.

IPC 8 full level
D06M 15/55 (2006.01); **D01D 5/096** (2006.01); **D01F 6/62** (2006.01); **D01F 6/84** (2006.01); **D06M 13/00** (2006.01)

CPC (source: EP)
D01D 5/096 (2013.01); **D01F 6/62** (2013.01); **D01F 6/84** (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2008058696 A1 20080522; AT E503884 T1 20110415; DE 602007013599 D1 20110512; EP 2084322 A1 20090805; EP 2084322 B1 20110330; ES 2364199 T3 20110826; PL 2084322 T3 20120131; PT 2084322 E 20110616

DOCDB simple family (application)
EP 2007009788 W 20071113; AT 07819774 T 20071113; DE 602007013599 T 20071113; EP 07819774 A 20071113; ES 07819774 T 20071113; PL 07819774 T 20071113; PT 07819774 T 20071113