

Title (en)

Process for manufacturing divisible thanelast-yarns

Title (de)

Verfahren zur Herstellung von teilbaren Elastangarnen

Title (fr)

Procédé pour la fabrication de fils d'élasthane divisibles

Publication

EP 0756026 B1 20020327 (DE)

Application

EP 96111361 A 19960715

Priority

DE 19527436 A 19950727

Abstract (en)

[origin: EP0756026A1] A process for making divisible elastane multifilament yarns comprises a dry spinning process contg. the following steps :(1) at least one multi-hole spin nozzle is placed in the head of a standard dry spinning appts., the distance (x) between holes in the nozzle being >40 mm and <500 mm and the distance (y) between holes in adjacent nozzle plates is <500 mm but >(x) ; (2) turbulence is generated in the appts. by lamellar gas flow to bind the individual yarn filaments together as they leave the nozzle holes ; (3) the elastane yarns are passed out of a spin shaft via a first guide section contg. one hole per filament and then a second guide section to combine the filaments together to form a multifilament yarn ; and (4) the multifilament yarn is spooled-up. Elastane multifilament yarns made by this process are also claimed.

IPC 1-7

D01D 5/04; D01D 4/02; D01F 6/70

IPC 8 full level

D01D 4/02 (2006.01); **D01D 5/04** (2006.01); **D01F 6/70** (2006.01)

CPC (source: EP US)

D01F 6/70 (2013.01 - EP US); **D02G 3/328** (2013.01 - EP US); **Y10T 428/29** (2015.01 - EP US); **Y10T 428/2913** (2015.01 - EP US)

Cited by

EP1431429A1; CN104928769A; US6214145B1; US6623585B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0756026 A1 19970129; **EP 0756026 B1 20020327**; DE 59608945 D1 20020502; US 5723080 A 19980303; US 6562456 B1 20030513

DOCDB simple family (application)

EP 96111361 A 19960715; DE 59608945 T 19960715; US 64847396 A 19960516; US 96069497 A 19971029