

Title (en)

Production method for a filament yarn and corresponding device

Title (de)

Herstellverfahren für ein Filamentgarn sowie entsprechende Vorrichtung

Title (fr)

Procédé de fabrication d'un filament continu et dispositif correspondant

Publication

EP 1452629 A3 20041229 (DE)

Application

EP 04013064 A 20020715

Priority

- DE 10138249 A 20010803
- EP 02737726 A 20020715

Abstract (en)

[origin: WO03012180A1] The invention relates to a device for producing one or more fibrils or filament yarns (10), whereby first capillaries (25a) are placed in the center of a spinning unit, for guiding flows of a first material (10a), and whereby additional capillaries (25c) provided for at least one additional material (10b) are placed in the vicinity of the first capillaries (25a), whereby all capillaries communicate with a spinning capillary (32). The invention is characterized in that the first capillaries (25a) are placed in the center of a spinning unit so that the flows of a first material (10a) unite to form a continuous core consisting of a filament core (10'a) and of at least one filament wing (10'a) joined thereto, and that additional capillaries (25c) for another material (10b) are placed in the vicinity of the first capillaries (25a) so that the additional material (10b) rests upon the core whereby at least partially enclosing it.

IPC 1-7

D01D 5/30; D01D 5/34

IPC 8 full level

D01D 5/30 (2006.01); **D01D 5/34** (2006.01)

CPC (source: EP US)

D01D 5/30 (2013.01 - EP US); **D01D 5/34** (2013.01 - EP US)

Citation (search report)

- [A] EP 0853144 A2 19980715 - BASF CORP [US]
- [A] EP 0534334 A2 19930331 - BASF CORP [US]
- [A] WO 8902938 A1 19890406 - HILLS RESEARCH & DEV INC [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 0151, no. 45 (C - 0823) 12 April 1991 (1991-04-12) & US 5244614 A 19930914 - HAGEN GERRY A [US]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

WO 03012180 A1 20030213; CN 1564884 A 20050112; CN 1629369 A 20050622; DE 10138249 A1 20030213; EP 1415024 A1 20040506; EP 1452629 A2 20040901; EP 1452629 A3 20041229; US 2007178182 A1 20070802

DOCDB simple family (application)

CH 0200389 W 20020715; CN 02819521 A 20020715; CN 200510003613 A 20020715; DE 10138249 A 20010803; EP 02737726 A 20020715; EP 04013064 A 20020715; US 48559702 A 20020715