

Title (en)

METHOD AND DEVICE FOR THE PRODUCTION OF BCF YARNS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON BCF-FADEN

Title (fr)

PROCEDE ET DISPOSITIF POUR FABRIQUER DES FILS CONTINUS GONFLANTS

Publication

EP 1608801 A1 20051228 (DE)

Application

EP 04725013 A 20040401

Priority

- EP 2004003454 W 20040401
- DE 10315130 A 20030403

Abstract (en)

[origin: WO2004088008A1] Disclosed are a method and a device for producing BCF yarns, in which a plurality of strand-shaped filaments are extruded, cooled, combined in bundles into several yarns, drawn, crimped, and wound onto bobbins. In order to be able to produce yarns having a relatively large total titer at correspondingly high throughput rates, a plurality of the filaments are extruded as an annular bunch of filaments that is cooled by means of a stream of cooling air, which is directed from the inside towards the outside, and is divided in a segment-shaped manner into yarns. In order to be able to do so, the inventive device comprises a nozzle means for creating an annular bunch of filaments, a cooling mechanism that is provided with a blowing means located inside the bunch of filaments for generating a radial stream of cooling air, and a separating unit which is disposed below the cooling mechanism and by means of which the annular bunch of filaments is divided in a segment-shaped manner into yarns.

IPC 1-7

D01D 5/08; D01D 4/02

IPC 8 full level

D01D 5/088 (2006.01)

CPC (source: EP US)

D01D 5/088 (2013.01 - EP US)

Citation (search report)

See references of WO 2004088008A1

Designated contracting state (EPC)

AT BE CH DE IT LI TR

DOCDB simple family (publication)

WO 2004088008 A1 20041014; CN 1768169 A 20060503; EP 1608801 A1 20051228; US 2006027945 A1 20060209

DOCDB simple family (application)

EP 2004003454 W 20040401; CN 200480009231 A 20040401; EP 04725013 A 20040401; US 24218105 A 20051003