

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

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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.

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