

Title (en)

METHOD AND DEVICE FOR SIMULATING A VISUAL PATTERN OF A FIBER PRODUCT AND METHOD AND DEVICE FOR PRODUCING A BCF YARN

Title (de)

VERFAHREN UND VORRICHTUNG ZUR SIMULATION EINES VISUELLEN FLÄCHENMUSTERS EINES FASERPRODUKTES SOWIE VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES BCF-GARNES

Title (fr)

PROCEDE ET DISPOSITIF DE SIMULATION D'UN MOTIF DE SURFACE VISUEL D'UN PRODUIT A BASE DE FIBRES ET PROCEDE ET DISPOSITIF DE PRODUCTION D'UN FIL BCF

Publication

**EP 1883903 A1 20080206 (DE)**

Application

**EP 06742902 A 20060512**

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Abstract (en)

[origin: WO2006122722A1] The invention relates to a method and a device for simulating a visual pattern of a fiber product and to a method and device for producing a multicolor BCF yarn. At least one parameter of a strand-type fiber bundle is sensed and digitized to data that are translated into a pattern using evaluation electronics. The invention is characterized by acquiring as a parameter of the strand-type fiber bundle the optical appearance of a longitudinal section of the fiber bundle as an image, thereby allowing the rapid and reproducible simulation of the visual pattern of a fiber product. The invention also allows to monitor the production of the fiber product, especially a BCF yarn, using the simulation results so that for example at least one process parameter can be chosen and/or monitored. For this purpose, an imaging device is associated with a spool or the BCF yarn and is connected to an evaluation device for comparing actual and desired patterns.

IPC 8 full level

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