

Title (en)

METHOD AND DEVICE FOR PRODUCING FANCY YARN ON A RING-SPINNING FRAME

Title (de)

VERFAHREN UND EINRICHTUNG ZUM ERZEUGEN VON EFFEKTGARN AN EINER RINGSPINNMASCHINE

Title (fr)

PROCEDE ET DISPOSITIF POUR PRODUIRE DES FILS FANTAISIE SUR UN METIER CONTINU A FILER

Publication

EP 1781849 A1 20070509 (DE)

Application

EP 05763631 A 20050802

Priority

- EP 2005008350 W 20050802
- DE 102004041096 A 20040824

Abstract (en)

[origin: WO2006021292A1] The aim of the invention is to simplify, in particular, the calculation of the production when making fancy yarn in ring-spinning frames with changes in mass and/or twist. To this end, the invention provides that control signal serve to alter the drafting and/or the ratio of the supply of yarn to the twisting of yarn by means of a computer (1) into which an algorithm is input by means of which the computer outputs control signals to downstream control devices (5, 15). The predetermined fineness is maintained by these control signals with regard to the change in mass due to the fact that the fineness in the area of the thin locations between the thick locations is reduced according to the produced thick locations. To this end, the control devices (5, 15) are designed for varying the rotational speed of the drives (8, 12) of the drafting assembly rolls (9, 13) and of the drive (17) of the spindles (19). In addition, the algorithm of the computer (1) is configured in such a manner that it allows the twist in the yarn to change according to the fineness in the yarn sections with varying mass so that the alpha value of the yarn remains the same.

IPC 8 full level

D01H 5/36 (2006.01); **D01H 1/26** (2006.01)

CPC (source: EP)

D01H 1/26 (2013.01); **D01H 5/36** (2013.01)

Citation (search report)

See references of WO 2006021292A1

Designated contracting state (EPC)

CH DE ES IT LI

DOCDB simple family (publication)

WO 2006021292 A1 20060302; CN 100564625 C 20091202; CN 101006216 A 20070725; DE 102004041096 A1 20060330; DE 102004041096 B4 20070329; EP 1781849 A1 20070509; EP 1781849 B1 20130529; ES 2410830 T3 20130703; JP 2008510895 A 20080410; JP 4653171 B2 20110316

DOCDB simple family (application)

EP 2005008350 W 20050802; CN 200580028283 A 20050802; DE 102004041096 A 20040824; EP 05763631 A 20050802; ES 05763631 T 20050802; JP 2007528649 A 20050802