Title (en)

METHOD AND DEVICE FOR OPERATING A CENTRIFUGAL SPINNING AND TWISTING FRAME

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BETREIBEN EINER ZENTRIFUGENSPINN- UND -ZWIRNMASCHINE

Title (fr)

PROCEDE ET DISPOSITIF POUR FAIRE FONCTIONNER UN METIER A FILER ET A RETORDRE CENTRIFUGE

Publication

EP 1377700 B1 20080409 (DE)

Application

EP 02724237 A 20020315

Priority

- DE 10116706 A 20010404
- EP 0202889 W 20020315

Abstract (en)

[origin: DE10116706A1] The invention relates to a method and a device for operating a centrifugal spinning and twisting frame (1) comprising a plurality of identical spinning points (2), each having an individual motor-driven spinning centrifuge (8), a yarn carrier tube (7), which is mounted so that it can be displaced vertically in relation to the spinning centrifuge (8), in addition to its own computer (14). According to the invention, at the start of the spinning process for a new yarn, or a yarn for which the frame parameters are to be modified, at least one of the yarn body parameters is determined by means of at least one reference spinning point (3), which has a sensor device (17) that is connected to a data determination and evaluation device (13), said parameters being (average structural density rho (R)), minimum internal radius (R(min)) and maximum cone taper (gamma KZ (max)) of a yarn body (21) that forms on the internal wall (20) of the spinning centrifuge (8) of the reference spinning point (3). The frame parameters of the "normal" spinning points (2), for example the traversing motion of the yarn carrier tube (7), are then adjusted accordingly.

IPC 8 full level

D01H 1/08 (2006.01); **D01H 1/244** (2006.01); **D01H 13/32** (2006.01)

CPC (source: EP)

D01H 1/08 (2013.01); **D01H 1/244** (2013.01); **D01H 13/32** (2013.01)

Designated contracting state (EPC)

CH DE ES IT LI TR

DOCDB simple family (publication)

DE 10116706 A1 20021010; CN 1308512 C 20070404; CN 1513066 A 20040714; DE 50212067 D1 20080521; EP 1377700 A1 20040107; EP 1377700 B1 20080409; WO 02081796 A1 20021017

DOCDB simple family (application)

DE 10116706 A 20010404; CN 02811301 A 20020315; DE 50212067 T 20020315; EP 0202889 W 20020315; EP 02724237 A 20020315