

Title (en)

Method and device on a spinning machine for determining the moment of regulation

Title (de)

Verfahren und Vorrichtung an einer Spinnereimaschine zum Ermitteln des Regeleingriffpunktes für Verzugseinrichtungen

Title (fr)

Procédé et dispositif dans un métier à filer pour déterminer le moment de régulation

Publication

EP 1211340 B1 20060621 (DE)

Application

EP 01126349 A 20011107

Priority

DE 10059262 A 20001129

Abstract (en)

[origin: EP1211340A2] To set the sliver drawing action, at a spinner, the drafting is adjusted according to measured values e.g. the thickness, and the mass etc. of the fiber material, to give constantly monitored measurement of the optimum control action points in operation. To set the sliver drawing operation, at a spinner, the optimum control action points are taken by the spinner control unit, to set the working for a consistently drawn sliver to be used for spinning. The optimum control action points are computed together with mathematical algorithms, which take into account variations in the sliver thickness and the drawing characteristics of the sliver fibers. The mathematical algorithms are in the form of transfer functions or discrete value pairs. The computed control action points are returned to the control unit to adjust the control position, and the drafting is modified at the main drafting zone of the sliver drawing unit. An Independent claim is included for a sliver drawing unit, at a spinning machine, with a monitor (1) to give continuous measurements of the sliver (6) e.g. the sliver thickness, fiber mass, and the like, to be passed to the control unit (2).

IPC 8 full level

D01G 15/36 (2006.01); **D01H 5/42** (2006.01); **D01G 23/06** (2006.01); **D01H 5/38** (2006.01); **D01H 13/32** (2006.01)

CPC (source: EP US)

D01H 5/42 (2013.01 - EP US); **D01H 13/32** (2013.01 - EP US)

Cited by

CN105734731A

Designated contracting state (EPC)

CH DE IT LI

DOCDB simple family (publication)

EP 1211340 A2 20020605; **EP 1211340 A3 20030122**; **EP 1211340 B1 20060621**; DE 10059262 A1 20020613; DE 50110233 D1 20060803; JP 2002201536 A 20020719; US 2002133913 A1 20020926; US 6640392 B2 20031104

DOCDB simple family (application)

EP 01126349 A 20011107; DE 10059262 A 20001129; DE 50110233 T 20011107; JP 2001363580 A 20011129; US 13159602 A 20020425