

Title (en)
Control of several spinning stationes in a spinning machine

Title (de)
Steuerung von Spinnstellen in einer Spinnmaschine

Title (fr)
Dispositif de commande pour des postes de filature d'un métier à filer

Publication
EP 1205588 B1 20041215 (DE)

Application
EP 01124919 A 20011019

Priority
CH 21742000 A 20001108

Abstract (en)
[origin: EP1205588A1] In a spinning machine with many spinning points, the filament feed to each spinning point is independently regulated by a control unit receiving data registered at the respective spinning point. A spinning machine has numerous yarn (6) spinning points each preceded by a fine feed unit (1). Each spinning point is fed by a longitudinal formation of staple filament, which converges through the fine feed (1) to the yarn formation point (6). Each spinning point has sensors (10,11) registering the mass of incoming filaments and outgoing yarn. The fine feed unit (1) is independently operated by a control and monitoring unit (12). A control and monitoring unit (12) generates independent commands for the fine feed unit (1) based on data registered at the yarn spinning point (6). Data registered at the yarn spinning point are also used to independently regulate the spinning point (6) drive, especially if the yarn is spun using an air-driven process.

IPC 1-7
D01H 5/38

IPC 8 full level
D01H 5/00 (2006.01); **D01H 5/38** (2006.01)

CPC (source: EP US)
D01H 5/005 (2013.01 - EP US); **D01H 5/38** (2013.01 - EP US)

Cited by
JP2008519168A; CZ306608B6; EP1398402A3; US7516606B2; US7464530B2; WO2006048186A3; WO2006042686A1; EP1219737B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1205588 A1 20020515; EP 1205588 B1 20041215; AT E284987 T1 20050115; DE 50104822 D1 20050120; US 2002124545 A1 20020912; US 6679043 B2 20040120

DOCDB simple family (application)
EP 01124919 A 20011019; AT 01124919 T 20011019; DE 50104822 T 20011019; US 861101 A 20011108