Title (en)

Device and method for controlling feed of lap in comber

Title (de)

Vorrichtung und Verfahren zur Steuerung der Zuführung eines Bands in eine Kämmmaschine

Title (fr)

Dispositif et procédé de commande d'alimentation de nappe en peigne

Publication

EP 2503034 A1 20120926 (EN)

Application

EP 12159812 A 20120316

Priority

JP 2011063201 A 20110322

Abstract (en)

The comber is operable to produce a sliver from a lap wound in the form of a lap roll and has a plurality of combing heads each having a lap feeder. The lap feeder has a motor that can be driven independently of a combing drive device. The lap feed control device is characterized in that it includes an arithmetic-logic unit and a control unit. When the comber is operated with the motor driven at a constant speed on a trial basis, variation of weight of the sliver relative to decrease of diameter of the lap roll is measured. The arithmetic-logic unit calculates a speed change pattern of the motor from the measurements to equalize the weight of the sliver or reduce the variation of the weight of the sliver. The control unit controls operation of the motor of the lap feeder in accordance with the speed change pattern.

IPC 8 full level

D01G 19/08 (2006.01)

CPC (source: EP)

D01G 19/08 (2013.01)

Citation (applicant)

JP H06502894 A 19940331

Citation (search report)

- [A] EP 0615009 A1 19940914 - RIETER AG MASCHF [CH]
- [A] EP 0978581 A2 20000209 - RIETER AG MASCHF [CH]
- [A] WO 9205301 A1 19920402 - RIETER AG MASCHF [CH]
- [A] DE 102006002390 A1 20070719 - RIETER AG MASCHF [CH]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2503034 A1 20120926; **EP 2503034 B1 20140312**; CN 102691141 A 20120926; CN 102691141 B 20140924; JP 2012197540 A 20121018; JP 5201234 B2 20130605

DOCDB simple family (application)

EP 12159812 A 20120316; CN 201210075505 A 20120321; JP 2011063201 A 20110322