

Title (en)

METHOD FOR DETERMINING THE DRUM OCCUPANCY OF A CARDING MACHINE, AND CARDING MACHINE HAVING AN ASSOCIATED CONTROLLER

Title (de)

VERFAHREN ZUR ERMITTLUNG DER TROMMELBELEGUNG AN EINER KARDE SOWIE KARDE MIT EINER ZUGEHÖRIGEN STEUERUNG

Title (fr)

PROCÉDÉ DE DÉTERMINATION DE LA GARNITURE DE TAMBOUR AU NIVEAU D'UNE KARDE ET KARDE ÉQUIPÉE D'UNE COMMANDE ASSOCIÉE

Publication

EP 3794169 A1 20210324 (DE)

Application

EP 19720830 A 20190426

Priority

- DE 102018112053 A 20180518
- EP 2019060736 W 20190426

Abstract (en)

[origin: WO2019219352A1] The present invention relates to a method for determining the drum occupancy of a carding machine, wherein the supply of fibers into the carding machine is stopped and at the same time all the fibers located in the drum chamber of the carding machine are drawn out, wherein the sliver count and the delivery distance of the fibers at the carding machine exit are measured. Furthermore, the application relates to a carding machine, comprising a controller for determining the drum occupancy, wherein the controller is designed to compare the determined drum occupancy for each fiber quality with a separate specific reference value and, in the event of deviations between the determined drum occupancy and the specific reference value, to give the operator tips regarding the optimized setting of the carding machine, and/or the optimized setting is at least partially automatically carried out by means of sensors and actuators.

IPC 8 full level

D01G 31/00 (2006.01)

CPC (source: EP)

D01G 31/006 (2013.01)

Citation (search report)

See references of WO 2019219352A1

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)

DE 102018112053 A1 20191121; CN 112105766 A 20201218; CN 112105766 B 20220927; EP 3794169 A1 20210324; WO 2019219352 A1 20191121

DOCDB simple family (application)

DE 102018112053 A 20180518; CN 201980030421 A 20190426; EP 19720830 A 20190426; EP 2019060736 W 20190426