

Title (en)

AIR SPINNING MACHINE AND METHOD FOR OPERATING AN AIR SPINNING MACHINE

Title (de)

LUFTSPINNMASCHINE SOWIE VERFAHREN ZUM BETRIEB EINER SOLCHEN

Title (fr)

METIER A FILER A JET D'AIR ET PROCEDE DE FONCTIONNEMENT D'UN TEL METIER A FILER A JET D'AIR

Publication

EP 2955256 B1 20200708 (DE)

Application

EP 15170263 A 20150602

Priority

CH 8882014 A 20140612

Abstract (en)

[origin: US2015361594A1] The invention refers to a method to operate an air spinning machine, in which the air spinning machine has at least one spinning unit with a spinning nozzle (2) for manufacturing yarn (6), in which a fiber strand (3) is fed to the spinning nozzle (2) through an inlet (4) during the operation of the spinning unit, in which the fiber strand (3) is imparted a twist inside a swirl chamber (5) of the spinning nozzle (2) by means of a swirled air current, so that a yarn (6) is formed from the fiber strand (3) that finally leaves the spinning nozzle (2) through an outlet (7), and in which an additive (9) is added with the help of an additive dispenser (9), at least temporarily, to the spinning unit while the air spinning machine is operating and applied on the fiber strand (3) and/or the yarn (6) or on sections of the spinning nozzle. According to the invention, it is suggested that the at least one physical parameter of the yarn (6) leaving the outlet (7) is monitored with the help of a sensor system (11) whereby, based on at least one measured value supplied by the sensor system (11) correlated with the above-mentioned parameter, it is determined whether and/or how much additive (9) was applied on the fiber strand (3) or the yarn (6) manufactured from this that passed through the sensor system (11). In addition, an air spinning machine to execute the method is suggested.

IPC 8 full level

D01H 1/115 (2006.01); **D01H 13/22** (2006.01); **D01H 13/30** (2006.01)

CPC (source: EP US)

D01H 1/115 (2013.01 - EP US); **D01H 4/02** (2013.01 - US); **D01H 13/22** (2013.01 - EP US); **D01H 13/304** (2013.01 - US); **D01H 13/306** (2013.01 - EP US); **D01H 13/32** (2013.01 - US)

Cited by

CN107663683A

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

DOCDB simple family (publication)

EP 2955256 A1 20151216; **EP 2955256 B1 20200708**; CH 709748 A1 20151215; CN 105297196 A 20160203; CN 105297196 B 20190419; JP 2016006246 A 20160114; JP 6566551 B2 20190828; US 2015361594 A1 20151217; US 9663878 B2 20170530

DOCDB simple family (application)

EP 15170263 A 20150602; CH 8882014 A 20140612; CN 201510312907 A 20150609; JP 2015117212 A 20150610; US 201514737690 A 20150612