

Title (en)

METHOD FOR CARRYING OUT AN AUTOMATIC CAN CHANGE PROCESS AT A SPINNING STATION OF A SPINNING MACHINE, AND SPINNING MACHINE, AND MOVABLE CAN CHANGER

Title (de)

VERFAHREN ZUR DURCHFÜHRUNG EINES AUTOMATISCHEN KANNENWECHSELVORGANGS AN EINER SPINNSTELLE EINER SPINNMASCHINE SOWIE SPINNMASCHINE UND VERFAHRBARER KANNENWECHSLER

Title (fr)

PROCÉDÉ POUR L'EXÉCUTION D'UN PROCESSUS DE CHANGEMENT DE POT DE FILATURE AUTOMATIQUE AU NIVEAU D'UN POSTE DE FILATURE D'UN MÉTIER À FILER, MÉTIER À FILER, ET DISPOSITIF DE CHANGEMENT DE POT DE FILATURE DÉPLAÇABLE

Publication

EP 4208593 A1 20230712 (DE)

Application

EP 21815399 A 20211112

Priority

- DE 102020131090 A 20201124
- EP 2021081570 W 20211112

Abstract (en)

[origin: WO2022112025A1] In a method for carrying out an automatic can change process at a spinning station (2) of a spinning machine (1) by means of a movable can changer (14) with a can gripper (15), a fibre tape (4) is delivered to the spinning station (2) from a sliver can (3) positioned beneath the spinning station, with a residual tape length of the fibre tape (4) being predefined. When the predefined residual tape length is reached, the fibre tape (4) is severed during running production of the spinning station (2). During this process, the fibre tape (4) is clamped to the sliver can (3) by a fixed clamp (18) of the can changer (14), in particular of the can gripper (15). The sliver can (3) with the clamped fibre tape (4) is removed from the spinning station (2) by the can changer (14) and the fibre tape (4) is thus severed. Alternatively, the fibre tape (4) is additionally clamped by a movable clamp (10) and the fibre tape (4) severed by a movement of the movable clamp (10). A corresponding spinning machine (1) with a plurality of adjacently arranged spinning stations (2) has a control unit (16) for carrying out the method. A movable can changer (14) with a can gripper (15) has at least one fixed clamp (18) for clamping a fibre tape (4) to the sliver can (3).

IPC 8 full level

D01H 9/00 (2006.01)

CPC (source: EP US)

D01H 9/008 (2013.01 - EP US)

Citation (search report)

See references of WO 2022112025A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022112025 A1 20220602; CN 116472370 A 20230721; DE 102020131090 A1 20220525; EP 4208593 A1 20230712; US 2023416951 A1 20231228

DOCDB simple family (application)

EP 2021081570 W 20211112; CN 202180074952 A 20211112; DE 102020131090 A 20201124; EP 21815399 A 20211112; US 202118254050 A 20211112