

Title (en)

Method and device for exchanging cans for a spinning preparatory machine.

Title (de)

Verfahren und Vorrichtung zum Wechseln von Spinnkannen bei einer Spinnereivorbereitungsmaschine.

Title (fr)

Méthode et dispositif pour le changement de pots de ruban pour un métier à filer préparatoire.

Publication

EP 0301330 A1 19890201 (DE)

Application

EP 88111313 A 19880714

Priority

DE 3725265 A 19870730

Abstract (en)

[origin: JPH01176789A] PURPOSE: To exactly handle a sliver starting end part within the whole of sliver and charge the sliver starting end part by acquiring sliver by a gripper held in a traveling mechanism and loading the sliver within a machine. CONSTITUTION: The positioning of a traveling mechanism 3 above a full can 12 is performed in a coaxial state. An arm 37 which is directed in a vertical direction and is lowered rotates around the full can 12 once, and at this time, a sliver starting end part 57 of sliver stored within the full can 12 is acquired by suction air flow. The arm 37 reaches above a supply table 50 by being accompanied by the acquired sliver starting end part. The traveling mechanism 30 is subsequently moved in the next full can direction in the longitudinal direction. When the traveling mechanism 30 reaches above the next full can at the latest, a fastening device is opened, and the sliver starting end part 57 is released from the arm 37 and falls on the supply table 50. Subsequently, the sliver starting end part 57 is pushed from a saving location of the full can 12 into a working location. An empty can 16 is pushed out from the working location by the full can 12 at the time of this process.

Abstract (de)

Wird eine Spinnereivorbereitungsmaschine aus mehreren Spinnkannen mit Faserbändern gespeist, so werden bisher die leeren Spinnkannen von einer Bedienperson durch volle Spinnkannen ersetzt. Das in der neuen, vollen Spinnkanne enthaltene Faserband wird von der Bedienperson aufgenommen und der Spinnereivorbereitungsmaschine zugeführt. Dabei wird die volle Spinnkanne (12, 13, 14) in einer Reserveposition bereitgestellt und das in ihr enthaltene Faserband (57) wird mit Hilfe eines verfahrbaren Wagens (30) und eines daran gehaltenen Armes (37) erfaßt und der Spinnereivorbereitungsmaschine zugeführt. Die volle Spinnkanne (12) wird dann in die von der leeren Spinnkanne bisher eingenommene Position geschoben.

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B65H 67/02

IPC 8 full level

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CPC (source: EP US)

D01H 9/008 (2013.01 - EP US); **D01H 9/185** (2013.01 - EP US)

Citation (search report)

- DE 3505495 A1 19860821 - SCHLAFHORST & CO W [DE]
- DE 2802205 B1 19790726 - PALITEX PROJECT CO GMBH
- WO 8606358 A1 19861106 - BUERO PATENT AG [CH]
- CH 623614 A5 19810615 - SCHLAFHORST & CO W [DE]

Cited by

EP0427005A1; US5081744A; EP0545807A1; FR2684364A1; DE4216728A1; EP0427044A1; US5113550A; DE4215158A1; DE4215158C2

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