

Title (en)

Process and apparatus for automatically exchanging spools on a flyer.

Title (de)

Verfahren und Vorrichtung zum automatischen Austauschen von Hülzen an einem Flyer.

Title (fr)

Procédé et dispositif pour changer automatiquement des bobines sur une ailette.

Publication

**EP 0360149 A1 19900328 (DE)**

Application

**EP 89116997 A 19890914**

Priority

- CH 232289 A 19890622
- CH 354688 A 19880923

Abstract (en)

[origin: JPH02112423A] PURPOSE: To reduce a doffing time by moving all of full bobbins with a carrier simultaneously from an inclined position, and all of empty bobbins with the carrier to the inclined position. CONSTITUTION: This method for automatically exchanging bobbins in a flyer device is provided by installing a carrier 21 on a sliding rail 22 of a doffing device separated from the flyer device 3, conveying out full bobbins 10 in an upper part of perpendicular transferring passage 15 of the rail 22 and conveying in empty bobbins 11. The number of attaching plugs 34 of the carrier 21 is made as 2 times of the spinning positions. By the carrier 21, the empty bobbins 11 are continuously transferred and descended to an inclined position without being stored temporarily and the full bobbins are continuously transferred and conveyed to a perpendicular conveying out position without being stored temporarily.

Abstract (de)

Die Doffzeit eines Flyers 3 kann betr chtlich verk rzt werden, wenn der leere H lsen 11 tragende Tr ger 21 in einem Bewegungsablauf, ohne Zwischenlagerung 49, aus der vertikalen Antransportstellung in die Schr gstellung und somit in Ausrichtung mit den schr ggestellten Spulenwagen 6 gebracht wird. Die vollen H lsen 10 werden sinngem ss bef rdert.

IPC 1-7

**D01H 9/04**; **D01H 9/18**

IPC 8 full level

**D01H 9/04** (2006.01); **D01H 9/18** (2006.01)

CPC (source: EP US)

**D01H 9/046** (2013.01 - EP US); **D01H 9/18** (2013.01 - EP US)

Citation (search report)

- [A] FR 2434878 A1 19800328 - ZINSER TEXTILMASCHINEN GMBH [DE]
- [AD] DE 3702265 A1 19870730 - MARZOLI & C SPA [IT]
- [A] WO 8100264 A1 19810205 - RIETER AG MASCHF [CH], et al
- [A] DE 2521057 A1 19760108 - MARZOLI & C SPA

Designated contracting state (EPC)

CH DE ES IT LI

DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 89116997 A 19890914**; JP 24357989 A 19890921; US 40741089 A 19890914