

Title (en)

OPEN-END TYPE OF SPINNING APPARATUS WITH IMPROVED DEVICE FOR LOADING A NEW TUBE IN THE DOFFING CYCLE AND METHOD FOR LOADING A NEW TUBE IN THE DOFFING CYCLE OF THE OPEN-END TYPE SPINNING APPARATUS

Title (de)

OFFENEND-SPINNVORRICHTUNG MIT VERBESSERTER VORRICHTUNG ZUM LADEN EINER NEUEN HÜLSE IM DOFFING-ZYKLUS UND VERFAHREN ZUM LADEN EINER NEUEN HÜLSE IM DOFFING-ZYKLUS DER OFFENEND-SPINNVORRICHTUNG

Title (fr)

TYPE D'APPAREIL DE FILAGE À BOUT LIBRE AVEC DISPOSITIF AMÉLIORÉ POUR CHARGER UN NOUVEAU TUBE DANS LE CYCLE DE LEVÉE ET PROCÉDÉ POUR CHARGER UN NOUVEAU TUBE DANS LE CYCLE DE LEVÉE DE L'APPAREIL DE FILAGE À BOUT LIBRE

Publication

EP 3358051 A1 20180808 (EN)

Application

EP 18153503 A 20180125

Priority

IT 201700010827 A 20170201

Abstract (en)

A spinning apparatus comprising at least one spinning head having a spinning unit and a reel winding unit, wherein the reel winding unit wraps a reel of yarn obtained from the underlying spinning unit on a tube, a tube-holder basket housing a plurality of tubes on which the yarn is wound, a doffing tray positionable on the spinning unit and provided with devices for picking up and transporting a tube from the tube-holder basket to a pair of tailstocks on the reel winding unit. The doffing tray comprises a tube separator device having a support arm which supports two blades, movable, so as to intercept a number of tubes contained in the tube-holder basket and to separate them at least partially from a tube destined to be grasped by the pick-up and transport device and placed between the tailstocks. Advantageously, the tube separator device and the pick-up and transport device are mechanically independent of each other, so that they may be operated separately from each other.

IPC 8 full level

D01H 9/10 (2006.01); **B65H 67/04** (2006.01)

CPC (source: CN EP)

B65H 67/0417 (2013.01 - EP); **D01H 4/00** (2013.01 - CN); **D01H 4/04** (2013.01 - CN); **D01H 4/08** (2013.01 - CN); **D01H 9/10** (2013.01 - EP); **B65H 2701/31** (2013.01 - EP)

Citation (search report)

- [XY] GB 2179066 A 19870225 - RIETER AG MASCHF
- [YA] US 4638956 A 19870127 - WEY EDMUND [DE]
- [Y] JP S5335030 A 19780401 - HOWA MACHINERY LTD
- [Y] US 4125990 A 19781121 - STAHLECKER FRITZ, et al

Cited by

CN114934329A; CN112176469A; EP4101956A1; IT202100014720A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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