

Title (en)

Automatic device for changing rolls in a spinning machine for textile fibres.

Title (de)

Automatisch arbeitende Einrichtung zum Auswechseln von Vorgarnspulen in einer Spinnmaschine für Textilfasern.

Title (fr)

Dispositif automatique pour échanger des bobines de mèche d'un métier à filer des fibres textiles.

Publication

EP 0303577 A1 19890215 (EN)

Application

EP 88830333 A 19880802

Priority

IT 6770387 A 19870810

Abstract (en)

In a spinning machine (1) for textile fibres, particularly for spinning carded fibres, the replacement of used cylinders (4) with corresponding full cylinders (11) is carried out by the simultaneous arrangement of the roves (40) of the rolls (13) of each full cylinder (11) in positions beside the corresponding roves (4a) of the spinning lines (5) which connect the rolls (12) of the respective used cylinder (4) to the respective terminal spindles (7), the detachment of the roves (4a) of each used cylinder (4) from the spinning line (5), and the joining to the latter of the roves (40) of the respective full cylinder (11). The joining of the roves (4a) of each used cylinder (4) is achieved by the relative displacement between a bar (37) which extends in front of the spinning machine (1) parallel to the used cylinder (4) and above the respective drawing units (6), and corresponding blocks (36) provided on the bar (37) in order to clamp the end section (42) near the end (41) of each rove (40) of the full cylinder (11) to the bar (37) in a position beside the rove (4a) of the corresponding spinning line (5). The roves (4a) of the used cylinders (4) are detached from the corresponding spinning lines (5) upstream of the joining zone by the reversal of the sense of rotation of the used cylinder (4) before the aforesaid relative displacement is started.

IPC 1-7

D01H 9/00; **D01H 15/00**

IPC 8 full level

D01H 9/00 (2006.01); **D01H 15/00** (2006.01)

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D01H 9/005 (2013.01); **D01H 15/00** (2013.01)

Citation (search report)

- [A] EP 0196127 A2 19861001 - BIGAGLI FOND OFF [IT]
- [A] EP 0213962 A2 19870311 - HOWA MACHINERY LTD [JP]
- [A] CH 383228 A 19641015 - RIETER AG MASCHF [CH]

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DE4040531A1; EP0448518A3; ITUB20155494A1; EP0481922A1; US5343689A; BE1007310A3

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