

Title (en)

Apparatus for treating tail yarn in textile spindle assembly.

Title (de)

Vorrichtung zur Behandlung des Garnendes in einer Spindelanordnung einer Textilmaschine.

Title (fr)

Appareil pour traiter le bout d'un fil pour dispositif de broche textile.

Publication

EP 0358032 A1 19900314 (EN)

Application

EP 89115413 A 19890821

Priority

- JP 2727389 U 19890313
- JP 11349288 U 19880831

Abstract (en)

Disclosed is an apparatus for treating tail yarns in textile spindle assemblies of textile spinning machines, twistors, etc., wherein a stationary upper slit ring (5) and an axially slidable cylindrical member (8) having a lower slit ring (6) at an upper end thereof and a lower portion (7) outwardly expandable by centrifugal force and provided with a spring are mounted on a base portion of a spindle to form a tail yarn gripping means (11), the pressed state of which is released by sliding the cylindrical member (8) downward by rotational centrifugal force, whereby the yarn underwindings can be automatically removed from the tail yarn gripping means (11) during operation. Further, not only the elasticity of the cylindrical member itself but also the force of the spring is utilized for restoring the lower portion of the cylindrical member (8) from the expanded state to the initial state, and hence the lower portion of the cylindrical member is surely positively restored to the initial state, whereby the tail yarn (12) is surely firmly fixed to the tail yarn gripping means (11).

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CPC (source: EP KR)

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Citation (search report)

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Cited by

DE102016007041A1; DE19755972B4; EP0582545A1; DE4410831A1; DE4410831B4; DE19820211C1; DE102017103754A1; CN108468113A; US6289662B1; EP0462467A1; US6085511A; DE19807740B4; WO2007065703A3

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