Title (en)

Method and device for false spinning.

Title (de)

Verfahren und Vorrichtung zum Falschdrallspinnen.

Title (fr)

Procédé et dispositif de filature par fausse-torsion.

Publication

EP 0131170 A1 19850116 (DE)

Application

EP 84106801 A 19840615

Priority

CH 363383 A 19830701

Abstract (en)

[origin: ES8601343A1] A sliver (102), is drafted to yarn count in a drafting system (101) and fed to a false-twist unit (106) at a width of 10-19 mm. As a result of this width the sliver leaving the output rollers (105) is divided into a yarn core (119) twisted by the false-twist unit (117) and peripheral fibres which are picked up by (119) in the sunction channel (115). The leading ends of these fibres are enqagedin the narrowest part of (115) by the rotating yarn core (119) and wrapped around (119) in the same direction, but at a considerably greater pitch, until the trailing ends of the peripheral fibres are tied into (119) in the spinning triangle. On leaving the false-twist unit (108) the twist in (119) is neutralised and the twist in the sheath fibres is changed from S to Z, as a result of which EPAB- EP-131170 B A sliver (102), is drafted to yarn count in a drafting system (101) and fed to a false-twist unit (106) at a width of 10-19 mm. As a result of this width the sliver leaving the output rollers (105) is divided into a yarn core (119) twisted by the false-twist unit (117) and peripheral fibres which are picked up by (119) in the sunction channel (115). The leading ends of these fibres are enqagedin the narrowest part of (115) by the rotatinq yarn core (119) and wrapped around (119) in the same direction, but at a considerably greater pitch, until the trailing ends of the peripheral fibres are tied into (119) in the spinning trianqle. On leaving the false-twist unit (108) the stwist in (119) is neutralised and the twist in the sheath fibres is changed from S to Z, as a result of which (119) is held together.
[origin: ES8601343A1] A sliver (102), is drafted to yarn count in a drafting system (101) and fed to a false-twist unit (106) at a width of 10-19 mm. As a result of this width the sliver leaving the output rollers (105) is divided into a yarn core (119) twisted by the false-twist unit (117) and peripheral fibres which are picked up by (119) in the sunction channel (115). The leading ends of these fibres are enqagedin the narrowest part of (115) by the rotating yarn core (119) and wrapped around (119) in the same direction, but at a considerably greater pitch, until the trailing ends of the peripheral fibres are tied into (119) in the spinning triangle. On leaving the false-twist unit (108) the twist in (119) is neutralised and the twist in the sheath fibres is changed from S to Z, as a result of which EPAB- EP-131170 B A sliver (102), is drafted to yarn count in a drafting system (101) and fed to a false-twist unit (106) at a width of 10-19 mm. As a result of this width the sliver leaving the output rollers (105) is divided into a yarn core (119) twisted by the false-twist unit (117) and peripheral fibres which are picked up by (119) in the sunction channel (115). The leading ends of these fibres are enqagedin the narrowest part of (115) by the rotatinq yarn core (119) and wrapped around (119) in the same direction, but at a considerably greater pitch, until the trailing ends of the peripheral fibres are tied into (119) in the spinning trianqle. On leaving the false-twist unit (108) the stwist in (119) is neutralised and the twist in the sheath fibres is changed from S to Z, as a result of which (119) is held together.

Abstract (de)

In einem Streckwerk (101) wird ein Faserband (102) zu einer Garnstärke verstreckt und in einer Breite (B1) von 10-19 mm einer Falschdralleinheit (106) zugeführt. Durch diese Breite B1 wird das das Ausgangswalzenpaar (105) verlassende Faserband in einen durch das Falschdrallorgan (117) gedrehten Garnkern (119) mit einem Spinndreieck der Breite B2 und in dazu angelieferte randfasern (F) unterteilt, welche Ansaugkanal (115) vom rotierenden Garnkern (119) übernommen werden. Das Uebernehmen geschieht dadurch, dass die vorderen Enden der angelieferten Randfasern (F) im Bereich des engsten Teiles des Ansaugkanales (115) vom rotierenden Garnkern (119) erfasst und in derselben Drehrichtung wie der Faserkern, jedoch mit einer wesentlich grösseren Steigung, um den Garnkern herumgewunden werden, bis das hintere Ende der Randfasern im Spinndreieck in den Garnkern (119) eingewunden ist. Beim verlassen der Falschdralleinheit (108) wird der Drall des Garnkernes aufgehoben und der Drall der Umwindefasern aus der ursprünglichen S-Richtung in die Z-Richtung versetzt, wodurch der Garnkern zusammengehalten wird.

IPC 1-7

D02G 3/38

IPC 8 full level

D01H 1/00 (2006.01); **D01H 1/11** (2006.01); **D01H 1/115** (2006.01); **D02G 3/38** (2006.01)

CPC (source: EP US)

D01H 1/11 (2013.01 - EP US); **D01H 1/115** (2013.01 - EP US)

Citation (search report)

- [A] EP 0068507 A2 19830105 - TORAY INDUSTRIES [JP]
- [A] EP 0069400 A2 19830112 - TORAY INDUSTRIES [JP]
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