

Title (en)

Method of assuring yarn quality and yarn processing machine

Title (de)

Garnqualitätssicherungsverfahren und Garnbearbeitungsmaschine

Title (fr)

Procédé permettant d'assurer la qualité d'un fil textile et machine de traitement de fil

Publication

**EP 1630268 A1 20060301 (DE)**

Application

**EP 04020215 A 20040826**

Priority

EP 04020215 A 20040826

Abstract (en)

In a quality assurance method in the production of multifilament yarns by supplying yarns under tension through a pathway (1) in the production unit (5), where the tension in a control yarn is measured in the pathway between a receiving bobbin (20) and the production unit, the tension of the control yarn before supply into the production unit is kept constant within a predetermined range, according to a measured value, using a yarn tension regulating module (25). An independent claim is included for yarn processing machine arranged to carry out the process, having at least one receiving bobbin unloader (24) for taking off yarn from at least one receiving bobbin (20, 29) and a multifilament yarn production unit (5) into which the yarns are passed under tension via a controlled pathway (1) including a tension regulating module (25) with a tension sensor (and preferably a yarn brake and/or a controllable feeder (7)), where the tension regulating module receives a measured value of the tension from the sensor and keeps the tension constant within a predetermined range.

IPC 8 full level

**D02G 1/16** (2006.01)

CPC (source: EP KR US)

**D01H 13/10** (2013.01 - KR); **D01H 13/16** (2013.01 - KR); **D02G 1/0266** (2013.01 - EP US); **D02G 1/167** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

CH DE IT LI TR

DOCDB simple family (publication)

**EP 1630268 A1 20060301**; **EP 1630268 B1 20070110**; CN 100587140 C 20100203; CN 1743522 A 20060308; DE 502004002633 D1 20070222; JP 2006070424 A 20060316; KR 100698660 B1 20070323; KR 20060050619 A 20060519; TW 200624613 A 20060716; TW I294927 B 20080321; US 2006042220 A1 20060302; US 7137238 B2 20061121

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