

Title (en)

Texturing device with disentangling stretching and braking

Title (de)

Texturiereinrichtung mit Entwirrstreckenbremse

Title (fr)

Dispositif de texturation avec démêlage étirage et freinage

Publication

**EP 1607500 B1 20141029 (DE)**

Application

**EP 05011189 A 20050523**

Priority

DE 102004029219 A 20040616

Abstract (en)

[origin: EP1607500A1] Following stuffer box texturing, yarn (7) is heat-set under zero tension on a perforated drum. It is then taken off and tensioned prior to winding up without using mechanical friction elements. Tension is provided by fluid friction, e.g. exposing a length of 2 to 5 m to air. The yarn can be enclosed in a conditioned chamber (12) and make several passes over guide rollers. An independent claim is also included for the process of tensioning yarn after texturing using a free length of yarn without contacting it with mechanical friction elements. An enclosed chamber can be fed with a fluid medium, e.g. an aerosol, especially water mist, to assist cooling. Fluid injection can be in the opposite direction to the yarn movement and linked to a control circuit to control the tension produced.

IPC 8 full level

**D02G 1/12** (2006.01); **B65H 59/10** (2006.01); **D02G 1/16** (2006.01); **D02G 1/20** (2006.01); **D02J 1/22** (2006.01)

CPC (source: EP)

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