

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

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CPC (source: EP)

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