

Title (en)

ROLLER STRETCHING ASSEMBLY OF A WORKSTATION OF A TEXTILE MACHINE THAT PROCESSES STAPLE FIBRES AND TEXTILE MACHINE USING THE SAME

Title (de)

WALZENSTRECKANORDNUNG EINER ARBEITSSTELLE EINER STAPELFASERVERARBEITENDEN TEXTILMASCHINE SOWIE DAMIT AUSGESTATTETE TEXTILMASCHINE

Title (fr)

SYSTÈME DE CYLINDRE ÉTIREUR D'UN POSTE DE TRAVAIL D'UNE MACHINE TEXTILE TRAVAILLANT DES FIBRES DISCONTINUES ET MACHINE TEXTILE EN ÉTANT ÉQUIPÉE

Publication

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Application

EP 15177662 A 20150721

Priority

DE 102014110950 A 20140801

Abstract (en)

[origin: CN105316815A] The invention relates to a roller stretching assembly of a workstation of a textile machine that processes staple fibers. The roller stretching assembly is used for stretching at least one cluster-type staple fiber strand that enters the assembly in a conveying direction. The roller stretching assembly has at least one stretching region, which is defined by a roller assembly at an entrance and a roller assembly at an exit, wherein the roller assembly at the entrance includes a feeding roller and feeding cooperation roller that work together, and the roller assembly at the exit includes a delivering roller and a delivering cooperation roller that work together. The roller stretching assembly includes an annular belt which is wound around the feeding roller and a belt guide member spaced from the feeding roller in the conveying direction so as to be guided. The annular belt is provided with at least one fastened fiber guide element that has at least part of elastic sections and that is fixed in position. During running of the roller stretching assembly, the fiber guide element presses the staple fiber strand facing the section that extending between the feeding roller and the belt guide member, and matches the contour of the annular belt on the at least part of the sections.

IPC 8 full level

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Cited by

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