

Title (en)

Method and apparatus for improving handle and surface of fabrics and knitgoods

Title (de)

Verfahren und Vorrichtung zur Griff- und Oberflächenverbesserung von textilen Geweben und Gewirken

Title (fr)

Procédé et installation pour l'amélioration du toucher et de l'état de surface de tissus et tricotés

Publication

**EP 0535287 B1 19960501 (DE)**

Application

**EP 91810827 A 19911028**

Priority

CH 280491 A 19910921

Abstract (en)

[origin: JPH05295654A] PURPOSE: To improve the handle and surface conditions of a material web by reciprocating and repeating operations to pneumatically convey the long material web through a product acceleration channel between both product stores while exposing the material web to saturated steam. CONSTITUTION: A long material web 3' is subjected to moisture conditioning to provide a state having at most 35%, preferably >=20% residual moisture in a shrink-drier and then stored through a feed mechanism 13 in a U-shaped first material web store 1. The material web 3' is then passed through a product acceleration channel 5 in the shape of a wave in the longitudinal direction and pneumatically conveyed with lower nozzles 6' arranged at the end of the channel 5, exposed to saturated steam, made to collide with a first impact surface 4 at 400-1,000 m/min, preferably 600-800 m/min speed and subsequently stored in a U-shaped second material web store 2. The resultant material web 3" is then passed through the above acceleration channel 5 by action of the blower nozzles 6, made to collide with a second impact surface 4' and subsequently stored in the first material web store 1. The above operations are repeated under the control of monitoring controllers 10 and 10' for detecting the level of filling of both the stores 1 and 2 to take out the material web in a difference of reciprocation advance through a takeout mechanism 13'.

IPC 1-7

**D06C 7/02**; D06C 19/00

IPC 8 full level

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CPC (source: EP US)

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Cited by

IT201900003669A1; EP0806512A1; US5845355A; EP1054093A3; EP0808930A1; US5893933A; US7316042B2; WO2009141841A1; WO9728302A1; WO2020183363A1; WO03023111A1

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