

Title (en)

Method and apparatus for moistening textile materials

Title (de)

Verfahren und Anordnung zum Befeuchten textiler Materialien

Title (fr)

Procédé et appareil pour l'humidification des matières textiles

Publication

EP 1333117 A1 20030806 (DE)

Application

EP 02002443 A 20020201

Priority

EP 02002443 A 20020201

Abstract (en)

Prior to entering the vacuum chamber (D) for steam treatment, the material is actively cooled in a cooling chamber (C). In cases where the initial material temperature is above the ambient temperature, it can be exposed in a passive pre-cooling zone (B) till the temperature has been reduced by at least 1 degree. Also claimed is a conditioning plant including a pre-cooling zone (B), an enclosed refrigerated cooling zone (C) with forced air circulation and a vacuum chamber supplied with steam. Preferred Features: When processing yarns, the bobbins are arranged in batches on bobbin carriers. In the case of cotton, the initial moisture content is 0 to 5 %. Cooling takes place for 20 to 40 minutes at a temperature at least 10 degreesC below ambient. The vacuum chamber is fed with saturated steam at 68 degreesC or below.

Abstract (de)

Verfahren zum Befeuchten oder Rückbefeuchten (konditionieren) von textilen Materialien, durch Einwirkung von Wasserdampf unter vermindertem Druck, wobei das Material vor der Einwirkung des Wasserdampfs in einem getrennten Raum oder Zone (c) einer Kühlung unterworfen wird, sowie Anordnung zur Durchführung des Verfahrens. <IMAGE>

IPC 1-7

D06B 5/16

IPC 8 full level

D06B 5/16 (2006.01)

CPC (source: EP)

D06B 5/16 (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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