

Title (en)
METHOD AND APPARATUS FOR RENDERING A TUBULAR TEXTILE MATERIAL SHRINK-RESISTANT

Publication
EP 0107002 A3 19850918 (DE)

Application
EP 83108956 A 19830910

Priority
DE 3235555 A 19820925

Abstract (en)
[origin: US4622728A] A continuous method for shrinkproofing tubular fabric, especially knitted and the like goods, is effected so that the fabric is spread when wet, then compressed lengthwise and then dried in a shrinkproof manner. This method provides for overstretching the fabric more than 130%, preferably even 160%, widthwise, overfeeding the fabric uniformly lengthwise while stretching and spreading the fabric, and immediately thereafter, in a relaxing fashion, drying the fabric continuously and in finished form with brief alternating movements under the influence of heat. During this heat treatment, the shrinkage potential produced is completely eliminated, with the meshes of the fabric moving into a stable position which no longer results in a change during domestic washing or tumble drying. It is important for the economics of the method for the fabric first to be pre-dried to about 20%, and then to be treated as described. The apparatus for working the method includes a spreader, which has a tooth-shaped drive unit for reliable conveyance of the fabric tube to each of two spreader arms.

IPC 1-7
D06C 7/02

IPC 8 full level
D06C 7/02 (2006.01); **F26B 13/02** (2006.01); **F26B 13/12** (2006.01)

CPC (source: EP US)
D06C 7/02 (2013.01 - EP US); **F26B 13/12** (2013.01 - EP US)

Citation (search report)

- [AD] DE 1936111 A1 19710128 - VEPA AG
- [A] DE 2850570 A1 19800604 - BIESINGER PETER J ING GRAD
- [A] DE 2951295 A1 19810625 - VEPA AG [CH]
- [A] WO 8001084 A1 19800529 - CATALLO F
- [A] CH 552780 A 19740815 - INVENTA AG
- [A] EP 0078747 A1 19830511 - INST TEXTILE DE FRANCE [FR], et al
- [A] FR 89721 E 19670804 - IONSTITUT TEXTILE DE FRANCE CT
- [A] FR 2229798 A2 19741213 - INST TEXTILE DE FRANCE [FR]
- [A] GB 997447 A 19650707 - PASOLDS LTD
- [A] GB 2054684 A 19810218 - SANDO IRON WORKS CO
- [A] US 3594914 A 19710727 - KUTSUKI SHIGEO, et al
- [A] US 3783526 A 19740108 - FLEISSNER H
- [A] US 3891389 A 19750624 - VERBURG GERALD B, et al
- [A] US 3943613 A 19760316 - SCHRAUD ALFRED, et al

Cited by
CN104471134A; ITFI20120096A1; WO2013171710A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
US 4622728 A 19861118; AT E38533 T1 19881115; DE 3235555 A1 19840329; DE 3378418 D1 19881215; EP 0107002 A2 19840502; EP 0107002 A3 19850918; EP 0107002 B1 19881109

DOCDB simple family (application)
US 53570283 A 19830926; AT 83108956 T 19830910; DE 3235555 A 19820925; DE 3378418 T 19830910; EP 83108956 A 19830910