Title (en)

METHOD AND APPARATUS FOR COMPRESSIVE SHRINKAGE OF TUBULAR KNITTED FABRICS AND THE LIKE

Publication

EP 0311897 B1 19911227 (EN)

Application

EP 88116535 A 19881006

Priority

US 10795387 A 19871013

Abstract (en)

[origin: EP0311897A1] A method and apparatus for compressive lengthwise shrinking of tubular knitted fabrics and other materials, particularly in a single stage. Feeding and retarding rollers (30, 32) are separated from each other by a distance significantly greater than the thickness of the fabric (11). Zone-forming blades are projected between the rollers from opposite sides and form between them a confinement zone which extends at a large angle from the feeding roller to the retarding roller. Fabric is guided to the zone under low contact pressure by the feeding roller and is conveyed away from the zone under similarly low contact pressure by the retarding roller. At the entrance to the zone, the fabric is decelerated and compacted lengthwise without burnishing or abrasion and without crimping. Tubular and open width knitted fabrics can be compressively preshrunk in large amounts, up to 25% and more, in a single stage. Significant savings and other benefits are realized.

IPC 1-7

D06C 5/00; D06C 21/00

IPC 8 full level

D06C 5/00 (2006.01); **D06C 21/00** (2006.01)

CPC (source: EP KR)

D06C 5/00 (2013.01 - EP); **D06C 17/02** (2013.01 - KR); **D06C 21/00** (2013.01 - EP KR)

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