

Title (en)

Resilient cotton fiber and related method.

Title (de)

Elastische Zellulosefaser und diesbezügliches Verfahren.

Title (fr)

Fibre de coton élastique et sa méthode.

Publication

EP 0360383 A2 19900328 (EN)

Application

EP 89306807 A 19890704

Priority

US 24719988 A 19880921

Abstract (en)

An improved fiber product comprises individual fibers which are finish-treated by saturating the fibers in a finish solution of durable press resin and a lubricant, then drying and curing the fibers such that the resin is saturated and cured and cross-linked to the interior of the fibers while the lubricant is maintained at or near the surface of the fibers. A preferred method includes treating bleached cotton fibers with a finish solution containing 3.0% - 4.0% of a formaldehyde-free, alkylated glyoxyl/cyclic urea condensate resin and 1.5% -2.5% of a reactive silicone, and a catalyst. The resultant finish-treated cotton fibers have a resiliency greater than untreated fibers and comparable to or greater than polyester fibers.

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IPC 8 full level

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CPC (source: EP)

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Cited by

US6740126B2; US7767631B2; US7718585B2; US6734147B2; US7553541B2; CN113372678A; US6569209B2; WO0181669A1; WO2015041862A1; US6830591B1; US6743761B2; US7338926B2; US7358216B2

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