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Publication number:

0 360 383 A3

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EUROPEAN PATENT APPLICATION

21 Application number: **89306807.2**

51 Int. Cl.⁵: **D06M 15/423, D06M 15/643**

22 Date of filing: **04.07.89**

30 Priority: **21.09.88 US 247199**

43 Date of publication of application:
28.03.90 Bulletin 90/13

84 Designated Contracting States:
BE DE ES FR GB GR IT NL

88 Date of deferred publication of the search report:
11.12.91 Bulletin 91/50

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54 **Resilient cotton fiber and related method.**

57 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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EUROPEAN SEARCH REPORT

Application Number

EP 89 30 6807

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Y,D	EP-A-0 020 034 (RIEGEL TEXTILE CORPORATION) * claims & US-A-4 269 603 (WORTH ET AL) * - - -	1-20	D 06 M 15/423 D 06 M 15/643
Y	TEXTILE CHEMIST AND COLORIST. vol. 18, no. 3, March 1986, NORT CAROLINA US pages 34 - 37; M.M. JOYNER: 'AMINOFUNCTIONAL POLYSILOXANES: A NEW CLASS OF SOFTENERS ' * the whole document * - - -	1-20	
A	GB-A-8 968 74 (NISSHIN BOSEKI KK) * the whole document * - - -	1-20	
A	FR-A-2 173 249 (DOW CORNING CORPORATION) * the whole document * - - - - -	1-20	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			D 06 M C 10 M
The present search report has been drawn up for all claims			
Place of search		Date of completion of search	Examiner
The Hague		10 October 91	BLAS V.M.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone		E : earlier patent document, but published on, or after the filing date	
Y : particularly relevant if combined with another document of the same category		D : document cited in the application	
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P : intermediate document		& : member of the same patent family, corresponding document	
T : theory or principle underlying the invention			