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Low foaming, high weaving efficiency polyvinyl alcohol size composition.

An aqueous size composition for cotton-containing textile yarn comprising in an aqueous solution

(a) 100 parts polyvinyl alcohol

(b) 2-15 parts hydrophobic waxy material

(c) 0.2-5 parts ethylene oxide-propylene oxide surfactant which has a surface tension between about 37 and 48 dynes/cm as a 0.1% aqueous solution at 25°C, and a foaming number less than about 20 (ml foam/g solution)*F as a 7% aqueous polyvinyl alcohol solution containing 11.4 parts hydrogenated tallow wax and 2 parts surfactant per 100 parts polyvinyl alcohol.

EP 0 218 212 A3



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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. 4)
X	DE - C3 - 1 494 890 (OWENS-CORNING FIBERGLAS) * Claims 1,4,5,7,8; column 6, lines 31-35 *	1,7, 11,12	D 06 M 15/333 D 06 M 13/02
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D,Y	US - A - 3 689 469 (INSKIP) * Claim 1; table V; column 13, lines 11-40 *	1-3,7, 8,11, 15-17	
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A	EP - A1 - 0 004 950 (HOECHST) * Claims; page 7, lines 6-8 *	1,6,7, 9,11, 18-20	
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A	O.-A. NEUMÜLLER "RÖMPPS CHEMIE-LEXIKON", edition 7, vol. 6, 1977 FRANCKH'SCHE VERLAGSHANDLUNG, Stuttgart * Page 3530, column 2, lines 25-34 *	1,4-7, 9,11	TECHNICAL FIELDS SEARCHED (Int. Cl. 4) D 06 M
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A	O.-A. NEUMÜLLER "RÖMPPS CHEMIE-LEXIKON", edition 7, vol. 5, 1975 FRANCKH'SCHE VERLAGSHANDLUNG, Stuttgart * Page 2735, column 2, lines 45-57 *	1,6,7, 9,11	

The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 29-10-1987	Examiner BÖHM
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	