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54 **Waxless polyvinyl alcohol size composition.**

57 An aqueous waxless size composition for textile yarn comprising in an aqueous solution

(a) 100 parts polyvinyl alcohol and

(b) 2-6 parts ethylene oxide-propylene oxide surfactant which has a surface tension less than 49 dynes/cm, preferably between about 40 to 48 dynes/cm, as a 0.1% aqueous solution at 25 °C, and desirably a foaming number less than about 20 (ml foam/g solution) °F as a 7% aqueous polyvinyl alcohol solution containing 4 parts surfactant per 100 parts polyvinyl alcohol.



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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)
P	EP-A-218212 (AIR PRODUCTS AND CHEMICALS INC) * the whole document *	1-20	D06M15/333
A, D	US-A-4399245 (KLEBER) * the whole document *	1, 2, 20	
A	RESEARCH DISCLOSURE. no. 114, October 1973, HAVANT GB page 177 Disclose anonymously.: "Finish for texturing feed yarn", number 11438	1, 8	
D, A	US-A-3689469 (INSKIP)		
A	US-A-3303135 (GOLGWASSER)		
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			D06M
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 19 JULY 1990	Examiner DELZANT J-F.
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		I : 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	