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Thixotropic aqueous liquid automatic dishwashing detergent composition.

Thixotropic aqueous liquid automatic dishwashing detergent composition with improved anti-filming and anti-spotting properties and method of using the detergent composition. The detergent composition comprises silica anti-filming agent, polyacrylate polymer anti-spotting agent, inorganic builder salts, chlorine bleach, bleach-stable detergent and a thixotropic thickener. The compositions provide reduced filming and spotting on dishware, glassware china and the like, particularly in hard water, and remain stable against phase separation.

EP 0 314 061 A3



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	US-A-4 431 559 (R. ULRICH) * column 4, lines 3 - 27 ** examples; claims * - - -	1,2	C 11 D 3/12 C 11 D 3/37 C 11 D 17/00
Y	US-A-4 351 754 (J. DUPRE) * column 6, lines 54 - 60 ** example 7 * - - -	1,2	
Y	GB-A-2 184 454 (COLGATE-PALMOLIVE) * page 2, lines 48 - 65 ** examples * - - -	1,2	
A	EP-A-0 030 825 (ECONOMICS LABATORY) * examples; claims * - - -	1	
A,P	EP-A-0 252 708 (UNILEVER) * claims 1-3, 10 ** example 10 * - - - - -	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			C 11 D
The present search report has been drawn up for all claims			
Place of search		Date of completion of search	Examiner
The Hague		24 January 91	PFANNENSTEIN H.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 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	