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- 4 Hard surface liquid cleaning composition with anti-soiling polymer.
- The solution of an anti-static cationic quaternized polymer is used to deposit the polymer as a soil releasing agent on hard surface, e.g. bathroom porcelain, tiles, etc. in order to provide easier cleaning of the treated surface during subsequent cleaning operation. A preferred polymer is based on recurring units of beta(trialkyl ammonium) alkyl methacrylate with a molecular weight of from about 5,000 to 50,000 or more.



EUROPEAN SEARCH REPORT

ΕP 91 20 1866

Category Citation of document with indication, where appropriate, R			Relevant	CLASSIFICATION OF THE
Category	of relevant pa		to claim	APPLICATION (Int. Cl.5)
D,P, X	•			C11D3/37
	* the whole documen	t *		
X	FR-A-2 225 495 (THE PROCTER & GAMBLE CO.)		1,5,9, 10,19	
	* page 2, line 35 - * page 12, line 9 - claims *	page 6, line 12 * page 16, line 25;	•	
x	EP-A-0 017 149 (HEN	KEL KGAA.)	17	
A	* page 5, line 11 - claim 1 *		1,9,10, 16	
	EP-A-0 215 451 (HENKEL KGAA.)		1,5,9, 10,16,19	
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A			1,9,10, 16,17	
	* page 3, line 4 -	page 4, line 53; claims	10,17	TECHNICAL FIELDS SEARCHED (Int. Cl.5)
D,A	FR-A-2 111 579 (THE	DOW CHEMICAL CO.)	1,5,9, 10,19	C11D
	* page 2, line 3 - 1,3-8 *	page 5, line 38; claims	10,13	
A	GB-A-2 172 299 (KAC	CORP.)	1-4,6, 8-15	
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A	EP-A-0 115 252 (CIBA-GEIGY AG) * claims 1-7 *		1-4	
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	The present search report has b	een drawn up for all claims		
Place of search THE HAGUE Date of completion of the search O7 APRIL 1993			EXHIBIT SOGLOU A.	
X : part Y : part doc	CATEGORY OF CITED DOCUME ticularly relevant if taken alone ticularly relevant if combined with an ument of the same category anological background	E : earlier patent do after the filing d	cument, but publi ate n the application or other reasons	shed on, or

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