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(54) **Antimicrobial hard surface cleaner**

(57) The invention provides an aqueous, antimicrobial hard surface cleaner with significantly improved residue removal and substantially reduced filming/streaking, said cleaner comprising:

(a) an effective amount of a solvent selected from C₁₋₆ alkanol, C₃₋₂₄ alkylene glycol ether, and mixtures thereof;

(b) an effective amount of a surfactant selected from amphoteric, nonionic surfactants, and mixtures thereof;

(c) an effective amount of a quaternary ammonium surfactant;

(d) an effective amount of a builder; and

(d) the remainder as substantially all water.

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EUROPEAN SEARCH REPORT

Application Number
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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.6)
P,X	EP-A-0 621 335 (RECKITT & COLMAN INC.) * page 2, line 18 - line 20 * * page 3, line 39 * * page 4, line 13 - line 40 * * claims; examples *	1-6	C11D3/00 C11D3/20 C11D1/835 C11D1/94 C11D3/43
X	US-A-4 540 505 (FRAZIER CHARLES) * the whole document *	1,2,6,9	
X	GB-A-1 459 806 (BEROL KEMI AB) * claims; examples *	1,2,6,9	
X	GB-A-2 075 043 (FLANAGAN J J) * example 1 * * page 8; example XIV * * claims *	1,2,9	
A	WO-A-93 16162 (CLOROX CO) * page 6, last paragraph * * page 8, last paragraph *	1-9	
A,P	EP-A-0 651 048 (EASTMAN KODAK CO) * the whole document *	1-9	TECHNICAL FIELDS SEARCHED (Int.Cl.6) C11D
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 16 December 1996	Examiner Pelli Wablat, B
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	

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