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⑸ **Composition and method for fabric encrustation prevention.**

⑸ Cleaning composition and method comprising in a first embodiment an alkali metal carbonate builder and a fabric encrustation prevention system comprising a sub-stoichiometric level of a polyamino polycarboxylic acid or water-soluble salts thereof which acts to inhibit and prevent the deposition of insoluble precipitates containing water hardness ions on fabrics ; in a second embodiment the cleaning composition includes a detergent surfactant for laundry applications ; in either embodiment the following adjuncts may be included : co-builders, alkali metal silicates, bleaching species, enzymes, fragrances, dyes, brighteners and others.



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 91 30 5579

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)
X	US-A-4 698 181 (WILLIAM K.LEWIS) * claims * ---	1,3-5,7 ,9,10	C 11 D 3/33 C 11 D 3/10
X	EP-A-0 181 025 (PROCTER & GAMBLE CO.) * page 12, line 16 - line 36 * * page 14, line 7 - line 15 * * claims * ---	1,3-5,7 ,9,10	C 11 D 3/20 C 11 D 3/26
A	GB-A-1 287 887 (DIVERSEY DEVELOPMENT LTD) * page 1, line 40 - line 66 * ---	1,3-5,7 ,9	
A	US-A-4 144 185 (JACOB BLOCK) * column 2, line 54 - line 68 * * column 3, line 1 - line 4 * ---	1,3-5,9	
A	EP-A-0 094 723 (DE BLAUWE LIER B.V) * page 7, line 4 - line 21 * * page 8, line 8 - line 31 * ---	1-10	
A	WORLD PATENTS INDEX LATEST Week 8929, Derwent Publications Ltd., London, GB; AN 89-210121 & JP-A-1 146 998 (MATSUSHITA ELC IND KK) 8 June 1989 * abstract * ---	1-9	TECHNICAL FIELDS SEARCHED (Int. Cl.5) C 11 D
A	WORLD PATENTS INDEX LATEST Week 9021, Derwent Publications Ltd., London, GB; AN 90-159150 & JP-A-2 099 599 (SUMITOMO METAL IND KK) 11 April 1990 * abstract * ---	1,3-5,7 -9	
A	WORLD PATENTS INDEX LATEST Week 8519, Derwent Publications Ltd., London, GB; AN 85-113568 & JP-A-6 0055099 (TEIKOKU CHEM IND LTD) 29 March 1985 * abstract * -----	1,3-5,7 -9	
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 06-04-1992	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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