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(54) **Non-phosphorus detergent bleach compositions.**

(57) Non-phosphorus aluminosilicate built detergent bleach compositions having really effective cleaning and stain-removal performances at low wash temperatures of 40°C and below comprise at least one detergent-active material selected from anionic, non-ionic, amphoteric, zwitterionic detergent compounds and soaps and mixtures thereof and

(a) from about 15% to about 40% by weight of a water-insoluble aluminosilicate cation-exchange material;

(b) from about 1% to about 15% by weight of citric acid or an alkali metal citrate; and

(c) from about 1% to about 15% by weight of a solid organic peroxyacid.

**EP 0 313 143 A3**



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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)
X	DE-A-2 430 144 (HENKEL) * Page 23, lines 1-12; claims 14,20,21; example 2; page 14, lines 23-32 * ---	1	C 11 D 3/395 C 11 D 3/12 C 11 D 3/20
A	DE-A-3 121 242 (DEGUSSA) * Claims 1-3,6; page 8, lines 30-32; page 9, line 32 - page 10, line 10 * ---	1,3	
A	EP-A-0 070 067 (PROCTER & GAMBLE) * Claims; page 23, lines 14-19 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			C 11 D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 20-07-1989	Examiner PFANNENSTEIN H.F.
<b>CATEGORY OF CITED DOCUMENTS</b>			
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	