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Non-phosphorus detergent bleach compositions.

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57 Non-phosphorus aluminosilicate built detergent bleach composition having really effective cleaning and stain removal performances at low wash temperatures of 40 °C and below, comprising at least one detergent-active material selected from anionic, nonionic, 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;

(c) from about 5% to about 35% by weight of an inorganic peroxide compound; and

(d) from about 1% to about 10% by weight of a peroxybenzoic acid bleach precursor.



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	EP-A-0 028 432 (PROCTER & GAMBLE) * Claims 1,3,5; page 14, lines 1-7; page 28, lines 18-29; page 29, lines 8-17 *	1-6	C 11 D 3/395 C 11 D 3/12 C 11 D 3/20
A	US-A-4 087 369 (J. WEVERS) * Claims 1,5; column 6, lines 10-27 *	1,3	
			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.
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			