

Title (en)  
Non-phosphorus detergent bleach compositions.

Title (de)  
Phosphatfreie Reinigungs- und Bleichmittel.

Title (fr)  
Compositions détergentes et de blanchiment sans phosphates.

Publication  
**EP 0313144 A2 19890426 (EN)**

Application  
**EP 88202244 A 19881007**

Priority  
GB 8724900 A 19871023

Abstract (en)  
Non-phosphorus aluminosilicate built detergent bleach composition having really effective cleaning and stain removal performances at low wash temperatures of 40 DEG 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. I

IPC 1-7  
**C11D 3/12**; **C11D 3/20**; **C11D 3/395**

IPC 8 full level  
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CPC (source: EP KR)  
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Cited by  
US5723428A; EP0448298A1; EP0448297A1; US5338476A; EP0520582A1; EP0356700A1; US5583098A; EP0504091A1; ES2039191A1; US5538648A; US6548467B2; WO9001535A1; WO9115566A1; WO9218596A1; WO03048291A1; WO0116279A1

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