

Title (en)
Non-phosphorus detergent bleach compositions.

Title (de)
Phosphatfreie Reinigungs- und Bleichmittel.

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

Publication
EP 0313143 A2 19890426 (EN)

Application
EP 88202243 A 19881007

Priority
GB 8724899 A 19871023

Abstract (en)
Non-phosphorus aluminosilicate built detergent bleach compositions having really effective cleaning and stain-removal performances at low wash temperatures of 40 DEG C and below comprise 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; and (c) from about 1% to about 15% by weight of a solid organic peroxyacid. o

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C11D 3/12; **C11D 3/20**; **C11D 3/395**

IPC 8 full level
C11D 3/12 (2006.01); **C11D 3/20** (2006.01); **C11D 3/39** (2006.01); **C11D 3/395** (2006.01); **C11D 3/60** (2006.01)

CPC (source: EP KR)
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Cited by
EP0816481A3; GB2292564A; EP0569066A1; US5583098A; EP0843716A4; US5723428A; EP0456315A3; US6262013B1

Designated contracting state (EPC)
CH DE ES FR GB IT LI NL SE

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