

Title (en)  
DETERGENT COMPOSITIONS

Publication  
**EP 0181180 B1 19930602 (EN)**

Application  
**EP 85307980 A 19851104**

Priority  
GB 8427855 A 19841103

Abstract (en)  
[origin: EP0181180A2] A granular detergent composition containing about 6% to 18% aluminosilicate cation exchange material (a), about 1% to 8% nitrilotriacetate (b), about 6% to 14% phosphate builder selected from sodium and potassium tripolyphosphates with less than 12% thereof as pyrophosphate, about 5% to 35% bleaching agent, up to 10% organic peroxy acid bleach precursor, and a heavy metal scavenging agent, wherein the percentage quantities of (a) and 2(b) is from 13 to 27. The compositions display improved bleaching, cleaning and fabric damage at low aluminosilicate levels.

IPC 1-7  
**C11D 3/12; C11D 3/39**

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

CPC (source: EP)  
**C11D 3/128** (2013.01); **C11D 3/3902** (2013.01)

Cited by  
EP0660873B2

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

DOCDB simple family (publication)  
**EP 0181180 A2 19860514; EP 0181180 A3 19900117; EP 0181180 B1 19930602**; AT E90112 T1 19930615; CA 1279801 C 19910205; DE 3587382 D1 19930708; DE 3587382 T2 19931216; DK 164706 B 19920803; DK 164706 C 19921221; DK 506285 A 19860504; DK 506285 D0 19851101; FI 80068 B 19891229; FI 80068 C 19900410; FI 854297 A0 19851101; FI 854297 A 19860504; GB 8427855 D0 19841212; GR 852653 B 19860203; IE 60527 B1 19940727; IE 852715 L 19860503

DOCDB simple family (application)  
**EP 85307980 A 19851104**; AT 85307980 T 19851104; CA 494372 A 19851031; DE 3587382 T 19851104; DK 506285 A 19851101; FI 854297 A 19851101; GB 8427855 A 19841103; GR 850102653 A 19851104; IE 271585 A 19851101