

Title (en)
Cleaning composition.

Title (de)
Reinigungsmittelzusammensetzung.

Title (fr)
Composition détergente.

Publication
EP 0070079 A2 19830119 (EN)

Application
EP 82200887 A 19820713

Priority
GB 8121755 A 19810715

Abstract (en)
A low phosphate, alumino-silicate built cleaning composition having improved bleach performance is described comprising a) 15-50% by weight of a water-insoluble alumino-silicate cation exchange material; b) 3-30% by weight of a peroxide bleach; c) 0.5-15% by weight of an activator for said peroxide bleach; and d) 1-15% by weight of a nitrilotriacetic acid compound, wherein the percentage quantities of (a) + 2(d) is between 30 and 55.

IPC 1-7
C11D 3/395; **C11D 3/12**; **C11D 3/33**

IPC 8 full level
C11D 3/12 (2006.01); **C11D 3/33** (2006.01); **C11D 3/39** (2006.01); **C11D 3/395** (2006.01)

CPC (source: EP)
C11D 3/128 (2013.01); **C11D 3/33** (2013.01); **C11D 3/3902** (2013.01)

Cited by
US4623357A; US4536183A; EP0150613A3; EP0241962A3; US4655782A; EP0118304A3; EP0144492A1; EP0181180A3; FR2542756A1; US4601845A; US4478733A; US4935159A; EP0319053A3; US4711748A; US4488980A; EP0098108A1; FR2542757A1; GB2156870A; FR2562085A1

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

DOCDB simple family (publication)
EP 0070079 A2 19830119; **EP 0070079 A3 19860205**; **EP 0070079 B1 19890419**; AT E42335 T1 19890515; AU 547825 B2 19851107; AU 8598182 A 19830120; BR 8204090 A 19831220; CA 1191067 A 19850730; DE 3279624 D1 19890524; DK 315082 A 19830116; FI 822428 A0 19820708; FI 822428 L 19830116; GR 76168 B 19840803; JP S5823894 A 19830212; NO 156755 B 19870810; NO 156755 C 19871125; NO 822431 L 19830117; NZ 201210 A 19850816; PT 75246 A 19820801; PT 75246 B 19851203; ZA 825007 B 19840229

DOCDB simple family (application)
EP 82200887 A 19820713; AT 82200887 T 19820713; AU 8598182 A 19820713; BR 8204090 A 19820714; CA 407289 A 19820714; DE 3279624 T 19820713; DK 315082 A 19820714; FI 822428 A 19820708; GR 820168735 A 19820712; JP 12374782 A 19820715; NO 822431 A 19820714; NZ 20121082 A 19820709; PT 7524682 A 19820714; ZA 825007 A 19820714