

Title (en)
DETERGENT COMPOSITIONS HAVING IMPROVED BLEACHING EFFECT

Publication
EP 0001853 B2 19860129 (EN)

Application
EP 78200259 A 19781023

Priority
GB 4630777 A 19771107

Abstract (en)
[origin: EP0001853A1] A neutral to mildly alkaline detergent composition based on a particulate crystalline aluminosilicate builder and containing a low level of a polyphosphonic acid, especially ethylene diamine tetramethylene phosphonic acid, or salt thereof. The composition exhibits excellent all-round detergency, especially for oxidizable-type stains, even in the absence of per-bleach components.

IPC 1-7
C11D 3/06; **C11D 3/08**; **C11D 3/12**; **C11D 3/395**; **C07F 9/38**

IPC 8 full level
C11D 3/00 (2006.01); **C11D 3/12** (2006.01); **C11D 3/36** (2006.01)

CPC (source: EP)
C11D 3/128 (2013.01); **C11D 3/361** (2013.01); **C11D 3/364** (2013.01)

Cited by
US5583098A; EP0028432A1; EP0448298A1; EP0050894A1; EP0006268A1; EP0168373A1; US4652403A; EP0520582A1; AU653408B2; US4861503A; EP3650525A1; US4929380A; EP2090646A1; US5723428A; EP0353973A3; EP0291869A3; EP0114308A1; US4666623A; FR2437442A1; AU577672B2; US8551931B2; WO2009092739A1

Designated contracting state (EPC)
BE DE FR GB NL

DOCDB simple family (publication)
EP 0001853 A1 19790516; **EP 0001853 B1 19820616**; **EP 0001853 B2 19860129**; DE 2861903 D1 19820805; IT 1100076 B 19850928; IT 7829534 A0 19781107

DOCDB simple family (application)
EP 78200259 A 19781023; DE 2861903 T 19781023; IT 2953478 A 19781107