

Title (en)  
DETERGENT COMPOSITION

Title (de)  
WASCHMITTELZUSAMMENSETZUNGEN

Title (fr)  
COMPOSITION DETERGENTE

Publication  
**EP 0859824 A4 19990210 (EN)**

Application  
**EP 96933154 A 19960926**

Priority  
• GB 9519606 A 19950926  
• US 9615450 W 19960926

Abstract (en)  
[origin: WO9712023A1] A detergent composition is provided which contains a zeolite builder having a particle size, d50, of from 1.1 to 10.0 micrometres; and a proteolytic enzyme having an isoelectric point of less than 10.0. Alcalase is exemplified. The composition contains less than 7 % by weight of the composition of carbonate builder. Preferably the composition is free of proteolytic enzyme having an isoelectric point above 10.0.

IPC 1-7  
**C11D 3/08**; **C11D 3/386**

IPC 8 full level  
**C11D 3/12** (2006.01); **C11D 3/386** (2006.01)

CPC (source: EP)  
**C11D 3/128** (2013.01); **C11D 3/386** (2013.01)

Citation (search report)  
• [XA] EP 0066323 A1 19821208 - PROCTER & GAMBLE [US]  
• [XA] US 5431846 A 19950711 - CHRISTOPHER DAVID J [GB], et al  
• [XA] EP 0640684 A1 19950301 - COLGATE PALMOLIVE CO [US]  
• [XA] EP 0580245 A2 19940126 - COLGATE PALMOLIVE CO [US]  
• [PX] GB 2287950 A 19951004 - PROCTER & GAMBLE [US]  
• [A] DE 2901339 A1 19790719 - NOVO INDUSTRI AS  
• See references of WO 9712023A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)  
**WO 9712023 A1 19970403**; BR 9610737 A 19990713; CA 2233045 A1 19970403; EP 0859824 A1 19980826; EP 0859824 A4 19990210; GB 9519606 D0 19951129

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