

Title (en)  
ENZYME-CONTAINING DETERGENT COMPOSITIONS

Publication  
**EP 0368589 A3 19901031 (EN)**

Application  
**EP 89311465 A 19891106**

Priority  
GB 8826110 A 19881108

Abstract (en)  
[origin: EP0368589A2] A granular detergent composition or component therefor, which comprises: (a) from 6% to 35%, often over 17%, by weight of non-soap detergent-active material consisting at least partially of anionic and/or nonionic detergent-active material; (b) at least 45% by weight of builder (b1) the builder including at least 28%, e.g. up to 45%, by weight (anhydrous basis) of crystalline or amorphous sodium aluminosilicate and/or citrate, carbonate, or layered silicate builder, (c) a lipolytic enzyme the weight ratio of (b1) to (a) being from 0.9:1 to 2.6:1, preferably from 1.2:1 to 1.8:1; and other detergent ingredients to 100% by weight.

IPC 1-7  
**C11D 3/386**; **C11D 3/12**; **C11D 3/20**; **C11D 3/10**

IPC 8 full level  
**C11D 10/02** (2006.01); **C11D 3/12** (2006.01); **C11D 3/386** (2006.01); **C11D 11/00** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP)  
**C11D 3/126** (2013.01); **C11D 3/128** (2013.01); **C11D 3/38627** (2013.01)

Citation (search report)  
• [X] EP 0271153 A2 19880615 - UNILEVER NV [NL], et al  
• [A] EP 0206390 A2 19861230 - UNILEVER NV [NL], et al  
• [AP] EP 0340013 A2 19891102 - UNILEVER PLC [GB], et al  
• [AD] CHEMICAL ABSTRACTS, vol. 105, no. 14, October 1986 Columbus, Ohio, USA; & JP-A-61 069 897 ( KAO ), (10.04.1986)  
• [XP] CHEMICAL ABSTRACTS, vol. 110, no. 13, 26 June 1989 Columbus, Ohio, USA page 118; ref. no. 233696; & JP-A-63 305 198 ( KURARAY ), ( 13.12.1988 )

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