

Title (en)
DETERGENT POWDERS AND PROCESS FOR PREPARING THEM

Publication
EP 0270240 A3 19900103 (EN)

Application
EP 87309570 A 19871029

Priority
GB 8626082 A 19861031

Abstract (en)
[origin: EP0270240A2] A spray-dried zero-phosphate powder suitable as a base for a detergent composition contains anionic surfactant, optional nonionic surfactant, aluminosilicate builder, polymeric polycarboxylate and a low or zero level of electrolyte, preferably sodium carbonate. The powder has a particle porosity of less than 0.40. If desired, sodium sulphate or other solids of small particle size and high bulk density may be postdosed to the spray-dried powder to give detergent compositions of very high bulk density.

IPC 1-7
C11D 11/02; **C11D 3/12**; **C11D 3/37**

IPC 8 full level
C11D 3/12 (2006.01); **C11D 3/37** (2006.01); **C11D 3/60** (2006.01); **C11D 11/02** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP KR)
C11D 1/02 (2013.01 - KR); **C11D 3/128** (2013.01 - EP); **C11D 3/37** (2013.01 - KR); **C11D 3/3761** (2013.01 - EP); **C11D 11/02** (2013.01 - EP); **C11D 17/065** (2013.01 - EP)

Citation (search report)
• [X] EP 0193360 A2 19860903 - PROCTER & GAMBLE [US], et al
• [X] EP 0129276 A2 19841227 - PROCTER & GAMBLE [US]
• [XP] EP 0200953 A2 19861112 - HENKEL KGAA [DE]
• [XE] EP 0221777 A2 19870513 - UNILEVER PLC [GB], et al

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

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EP 87309570 A 19871029; AU 8041687 A 19871028; BR 8705812 A 19871030; CA 550260 A 19871026; DE 3787511 T 19871029; ES 87309570 T 19871029; GB 8626082 A 19861031; JP 27458387 A 19871029; KR 870012175 A 19871031; TR 74987 A 19871102; ZA 878120 A 19871029