

Title (en)
GRANULAR DETERGENT COMPOSITIONS CONTAINING MIXED POLYMER ADDITIVE SYSTEM

Publication
EP 0124913 B1 19860618 (EN)

Application
EP 84200104 A 19840130

Priority
GB 8309610 A 19830408

Abstract (en)
[origin: EP0124913A1] Granular detergent compositions with no or reduced levels of phosphorus -containing builders containing a mixture of homopolymeric and copolymeric carboxylates. Preferred homopolymeric carboxylates are polyacrylates having a molecular weight below 3000, most preferably a mixture of polymer species having molecular weights of 1000 and 2000 respectively. The preferred copolymeric ingredient contains maleic acid and (meth)-acrylic acid monomers.

IPC 1-7
C11D 3/37

IPC 8 full level
C11D 3/00 (2006.01); **C11D 3/37** (2006.01)

CPC (source: EP)
C11D 3/3761 (2013.01)

Cited by
RU2635250C2; GB2502558A; EP0193360A3; US5273675A; GB2168717A; AU672851B2; US4707290A; EP0600592A1; US5401807A; US5159041A; US4919845A; BE1002261A5; US9227009B2; WO2013178990A3; WO9013622A1; WO9412571A3

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 0124913 A1 19841114; EP 0124913 B1 19860618; AT E20476 T1 19860715; CA 1220998 A 19870428; DE 3460228 D1 19860724; GR 81656 B 19841212; IE 56762 B1 19911204; IE 840262 L 19841008; JP H0522757 B2 19930330; JP S6018595 A 19850130; MX 159427 A 19890529

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EP 84200104 A 19840130; AT 84200104 T 19840130; CA 447604 A 19840216; DE 3460228 T 19840130; GR 840173845 A 19840220; IE 26284 A 19840203; JP 4800684 A 19840313; MX 20046784 A 19840227