

Title (en)
POLYMER-CONTAINING GRANULATES

Publication
EP 0421664 A3 19911218 (EN)

Application
EP 90310547 A 19900926

Priority
GB 8922179 A 19891002

Abstract (en)
[origin: EP0421664A2] A granulate useful in detergent formulations is disclosed, which comprises at least 10% by weight of polymer useful in such formulations and at least 20% by weight of at least one inorganic component which is also useful in such formulations. The granulate has a bulk density of at least 700 g/l, and possesses low hygroscopicity. A process formaking such a granulate is also disclosed.

IPC 1-7
C11D 3/37; C11D 11/00

IPC 8 full level
C11D 3/02 (2006.01); **C11D 3/12** (2006.01); **C11D 3/37** (2006.01); **C11D 3/39** (2006.01); **C11D 3/60** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP)
C11D 3/046 (2013.01); **C11D 3/06** (2013.01); **C11D 3/128** (2013.01); **C11D 3/3761** (2013.01); **C11D 3/3942** (2013.01); **C11D 17/065** (2013.01)

Citation (search report)

- [X] EP 0200163 A2 19861105 - HENKEL KGAA [DE]
- [A] EP 0256443 A2 19880224 - UNILEVER NV [NL], et al
- [A] FR 2401987 A1 19790330 - COLGATE PALMOLIVE CO [US]
- [A] EP 0289768 A2 19881109 - DEGUSSA [DE]
- [A] WO 9005175 A1 19900517 - HENKEL KGAA [DE]
- [A] US 4414130 A 19831108 - CHENG BAO-DING [US]

Cited by
EP1529833A1; CN100425684C; CN1039028C; EP1529834A1; DE4229660A1; EP0572724A1; US5518646A; EP0523950A1; US5409629A; US5998357A; US6025320A; WO9911749A1; WO9310210A1; WO0112770A3; WO9403567A3; WO9405764A1; US9279097B1; US9637709B2; US10179889B2; WO2005047442A1; WO9213937A1; WO0077148A1; WO9413775A1; WO9217565A1; US6734156B1; US6864221B1; EP0861318B1

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

DOCDB simple family (publication)
EP 0421664 A2 19910410; EP 0421664 A3 19911218; EP 0421664 B1 19990203; AT E176496 T1 19990215; AU 6326490 A 19910411; AU 645501 B2 19940120; BR 9004904 A 19910910; CA 2025832 A1 19910403; DE 69032929 D1 19990318; DE 69032929 T2 19990930; GB 8922179 D0 19891115; IN 180189 B 19980117; JP 2851149 B2 19990127; JP H04145200 A 19920519; PH 30938 A 19971223; PT 95484 A 19910625; ZA 907826 B 19910731

DOCDB simple family (application)
EP 90310547 A 19900926; AT 90310547 T 19900926; AU 6326490 A 19901001; BR 9004904 A 19901001; CA 2025832 A 19900920; DE 69032929 T 19900926; GB 8922179 A 19891002; IN 960DE1990 A 19901001; JP 26492490 A 19901002; PH 41289 A 19900928; PT 9548490 A 19901002; ZA 907826 A 19901001