

Title (en)
AGGLOMERATED PEROXYACID BLEACH GRANULE AND PROCESS FOR MAKING SAME

Publication
EP 0396341 A3 19920122 (EN)

Application
EP 90304584 A 19900426

Priority
US 34549589 A 19890501

Abstract (en)
[origin: EP0396341A2] The present invention relates to a dry, peroxyacid bleach granule composition and a novel process for making it comprising: spraying wet peroxyacid bleach onto dry particulate solids in a suitable mixer to form a wet bleach granule product and drying the wet bleach granule product in a fluid bed dryer under controlled conditions.

IPC 1-7
C11D 3/39

IPC 8 full level
C11D 3/39 (2006.01); **C11D 7/54** (2006.01); **C11D 7/60** (2006.01); **C11D 11/00** (2006.01)

CPC (source: EP)
C11D 3/3937 (2013.01); **C11D 3/394** (2013.01); **C11D 3/3945** (2013.01)

Citation (search report)

- [XP] EP 0360323 A2 19900328 - UNILEVER NV [NL], et al
- [XL] EP 0206418 A2 19861230 - PROCTER & GAMBLE [US]
- [X] EP 0200163 A2 19861105 - HENKEL KGAA [DE]
- [X] DE 3822798 A1 19900111 - HUELS CHEMISCHE WERKE AG [DE]
- [XL] US 4091544 A 19780530 - HUTCHINS JAMES PEYTON
- [XL] DE 2737865 A1 19780302 - PROCTER & GAMBLE
- [XL] US 4497757 A 19850205 - BEIMESCH WAYNE E [US], et al
- [XDL] US 4170453 A 19791009 - KITKO DAVID J [US]
- [X] US 4244884 A 19810113 - HUTCHINS JAMES P, et al
- [XL] US 4314949 A 19820209 - BETTLE III GRISCOM, et al
- [XP] EP 0340847 A2 19891108 - UNILEVER NV [NL], et al
- [AD] US 3770816 A 19731106 - NIELSEN D

Cited by
EP0987315A1; WO0015744A1; US10165774B2; US11206826B2; US9926214B2; US10017403B2; US10023484B2; US7708905B2; US10893674B2; US11026421B2; US8822719B1; US9675076B2; US10031081B2; US10077415B2; US9902627B2; US11180385B2; US11939241B2; US9676711B2; US10017720B2; US10323218B2; US10669512B2; US11015151B2; US11827867B2

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

DOCDB simple family (publication)
EP 0396341 A2 19901107; EP 0396341 A3 19920122; AU 5454990 A 19901101; AU 643206 B2 19931111; BR 9002050 A 19910813; CA 2015490 A1 19901101; CN 1046932 A 19901114; JP H03800 A 19910107; MA 21830 A1 19901231; MX 173060 B 19940131

DOCDB simple family (application)
EP 90304584 A 19900426; AU 5454990 A 19900430; BR 9002050 A 19900502; CA 2015490 A 19900426; CN 90102598 A 19900501; JP 11571690 A 19900501; MA 22093 A 19900502; MX 2051290 A 19900430