

Title (en)
PROCESS FOR MAKING PARTICULATE BLEACH ACTIVATOR COMPONENT

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER TEILCHENFÖRMIGEN BLEICHMITTELAKTIVATORKOMPONENTE

Title (fr)
PROCEDE DE FABRICATION D'ACTIVATEURS DE BLANCHIMENT PARTICULAIRES

Publication
EP 0880581 A4 20011010 (EN)

Application
EP 97902071 A 19970122

Priority

- EP 97902071 A 19970122
- EP 96300585 A 19960129
- EP 96304782 A 19960628
- US 9701024 W 19970122

Abstract (en)
[origin: WO9727280A1] The invention relates to a process for the manufacture of a particulate bleach activator component comprising the steps of: (i) preparing a mix of solids, and optionally liquids, comprising the bleach activator; (ii) extruding the mix through a die under pressure to form an extrudate, the pressure being less 25 bar; (iii) breaking the extrudate to form the particulate component; wherein the particulate bleach activator component is substantially dust-free and still disperses and releases peracid rapidly upon contact with, or immersion in, wash solution containing peroxy acid bleach at typical domestic washing temperatures.

IPC 1-7
C11D 11/00; **C11D 3/20**; **C11D 3/26**; **C11D 3/28**; **C11D 3/395**; **C11D 3/39**

IPC 8 full level
C11D 3/20 (2006.01); **C11D 3/26** (2006.01); **C11D 3/28** (2006.01); **C11D 3/39** (2006.01); **C11D 3/395** (2006.01); **C11D 11/00** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP)
C11D 3/3907 (2013.01); **C11D 3/3935** (2013.01); **C11D 11/00** (2013.01); **C11D 11/0082** (2013.01); **C11D 17/0039** (2013.01)

Citation (search report)

- [E] WO 9713834 A1 19970417 - HENKEL KGAA [DE], et al
- [X] EP 0328880 A1 19890823 - COLGATE PALMOLIVE CO [US]
- [X] DE 2162353 A1 19720713
- [A] WO 9102047 A1 19910221 - HENKEL KGAA [DE]
- [A] WO 9113678 A1 19910919 - HENKEL KGAA [DE]
- See also references of WO 9727280A1

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

DOCDB simple family (publication)
WO 9727280 A1 19970731; AR 005591 A1 19990623; AU 1582597 A 19970820; BR 9707475 A 19990727; CA 2243485 A1 19970731; CA 2243485 C 20020319; CZ 229598 A3 19990113; EG 21216 A 20010228; EP 0880581 A1 19981202; EP 0880581 A4 20011010; HU P9901904 A2 19991028; HU P9901904 A3 19991129; MA 24074 A1 19971001; MX 9806071 A 19981129; TR 199801458 T2 19981021

DOCDB simple family (application)
US 9701024 W 19970122; AR P970100354 A 19970129; AU 1582597 A 19970122; BR 9707475 A 19970122; CA 2243485 A 19970122; CZ 229598 A 19970122; EG 7497 A 19970128; EP 97902071 A 19970122; HU P9901904 A 19970122; MA 24477 A 19970128; MX 9806071 A 19980728; TR 9801458 T 19970122