

Title (en)  
Granular bleach activator compositions.

Title (de)  
Granulierte Bleichaktivatorzusammensetzungen.

Title (fr)  
Compositions granuleuses d'activateurs de blanchiment.

Publication  
**EP 0238341 A2 19870923 (EN)**

Application  
**EP 87302379 A 19870319**

Priority  
GB 8606804 A 19860319

Abstract (en)  
A granular bleach activator composition containing an organic binder is disclosed which has improved low temperature release properties by incorporating a water-soluble granule disintegration aid usually a sequestering agent, e.g. a phosphonate suitably in combination with an inorganic salt. A process for producing the granules comprising forming a dry blend of particles of binder and bleach activator and moistening the blend during mixing with aqueous solution of the granule disintegration acid.  
A bleach activator compsn. (I) comprises granules (average size pref. 300-1500 microns with non more than 1700 microns contg. the particulate activator (II) bonded by an organic binder (III) and a water soluble disintegration aid (IV) and the 2 minute activity when dissolved in water at 20 deg.C contg. perborate and a detergent base which is 1.3-5 (pref. 1.5-3.0) times the activity of the standard compsn. At 40 deg.C the 30 minute activity of compsn. (I) in water contg. perborate is pref. 2 (more pref. 4 and partic. 10) to about 50 times and the 5 minute activity is pref. 1.2 (more pref. 1.5) to about 5 (partic. 1.7-2.5) times the activity of the standard compsn.

IPC 1-7  
**C11D 3/39**

IPC 8 full level  
**C11D 3/39** (2006.01); **C11D 7/32** (2006.01); **C11D 7/36** (2006.01); **C11D 7/44** (2006.01); **C11D 7/54** (2006.01); **C11D 7/60** (2006.01)

CPC (source: EP)  
**C11D 3/3902** (2013.01); **C11D 17/06** (2013.01)

Cited by  
US6080710A; GB2345701A; US5112514A; EP0356700A1; US5055218A; TR27980A; US5269962A; US5002691A; US6254892B1; US7138139B2; US7550156B2; US9587205B2; US6214785B1; WO2008149069A1; WO9116411A1; WO9001535A1

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

DOCDB simple family (publication)  
**EP 0238341 A2 19870923**; **EP 0238341 A3 19880817**; **EP 0238341 B1 19911002**; **EP 0238341 B2 19951213**; AT E68010 T1 19911015; DE 3773418 D1 19911107; ES 2026180 T3 19920416; ES 2026180 T5 19960316; GB 8606804 D0 19860423; GR 3003106 T3 19930217; JP 2528863 B2 19960828; JP S62230898 A 19871009

DOCDB simple family (application)  
**EP 87302379 A 19870319**; AT 87302379 T 19870319; DE 3773418 T 19870319; ES 87302379 T 19870319; GB 8606804 A 19860319; GR 910401730 T 19911112; JP 6280487 A 19870319