

Title (en)  
GRANULAR BLEACH ACTIVATOR

Publication  
**EP 0075818 B2 19900314 (DE)**

Application  
**EP 82108646 A 19820918**

Priority  
• DE 3138551 A 19810928  
• DE 3208216 A 19820306

Abstract (en)  
[origin: ES8501794A1] A granular bleaching activator for use in a detergent or bleach, which has particles which have a size of from 0.5 to 3 mm and are composed of (a) from 70 to 99.5% by weight of one or more bleaching activators for per-compounds and (b) from 0.5 to 30% by weight of one or more water-swellaable assistants and which have been prepared, without use of water, by compacting the components (a) and (b).

IPC 1-7  
**C11D 3/39**; **C11D 3/37**; **C11D 3/22**

IPC 8 full level  
**C11D 3/22** (2006.01); **C11D 3/37** (2006.01); **C11D 3/39** (2006.01); **C11D 7/54** (2006.01)

CPC (source: EP US)  
**C11D 3/222** (2013.01 - EP US); **C11D 3/225** (2013.01 - EP US); **C11D 3/3776** (2013.01 - EP US); **C11D 3/3907** (2013.01 - EP US);  
**C11D 3/3935** (2013.01 - EP US)

Cited by  
US5334324A; EP0238341A3; EP0240057A1; EP0241962A3; EP0456109A3; EP1035196A1; US5716569A; GB2345701A; EP0374867A1; US6107266A; US6063750A; US6133216A; USRE39139E; US7550156B2; US6270690B1; WO9403567A3; WO9413775A1; WO2009074403A1; US6506720B1; US6645927B1; US6254892B1; US7008912B1; EP0710716A2; WO9840463A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 0075818 A2 19830406**; **EP 0075818 A3 19840307**; **EP 0075818 B1 19851218**; **EP 0075818 B2 19900314**; CA 1217301 A 19870203; DE 3268039 D1 19860130; ES 515965 A0 19841201; ES 8501794 A1 19841201; US 4695397 A 19870922

DOCDB simple family (application)  
**EP 82108646 A 19820918**; CA 412236 A 19820927; DE 3268039 T 19820918; ES 515965 A 19820927; US 90716186 A 19860915