

Title (en)  
BLEACHING ACTIVATORS IN THE FORM OF GRANULES

Title (de)  
BLEICHAKTIVATOR-GRANULATE

Title (fr)  
ACTIVATEURS DE BLANCHIMENT SOUS FORME DE GRANULES

Publication  
**EP 1017776 B1 20031203 (DE)**

Application  
**EP 98947521 A 19980905**

Priority  
• DE 19740671 A 19970916  
• EP 9805628 W 19980905

Abstract (en)  
[origin: DE19740671A1] Ammonium nitrile and layered silicate bleach activator granulate obtained by mixing the components, pressing the mixture and comminuting the resulting agglomerate to the required size.

IPC 1-7  
**C11D 3/39**; **C11D 3/12**; **C11D 17/00**

IPC 8 full level  
**C11D 3/30** (2006.01); **C11D 3/12** (2006.01); **C11D 3/39** (2006.01); **C11D 3/395** (2006.01); **C11D 17/00** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP KR US)  
**C11D 3/1253** (2013.01 - KR); **C11D 3/126** (2013.01 - EP US); **C11D 3/3925** (2013.01 - EP KR US); **C11D 3/3935** (2013.01 - EP KR US);  
**C11D 3/48** (2013.01 - KR)

Cited by  
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WO2021178099A1; WO2012116014A1; WO2012116021A1; WO2012116023A1; WO2021178100A1; WO2011146602A2; EP3020768A1;  
WO2017065979A1; WO2017066413A1; WO2021178098A1; WO2022197295A1

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

DOCDB simple family (publication)  
**DE 19740671 A1 19990318**; AR 017107 A1 20010822; AT E255628 T1 20031215; AU 9440398 A 19990405; BR 9812315 A 20000829;  
CA 2304252 A1 19990325; CN 1270626 A 20001018; DE 59810362 D1 20040115; DK 1017776 T3 20040315; EP 1017776 A1 20000712;  
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US 15284098 A 19980915; US 15284198 A 19980915