

Title (en)  
Bleach activator cogranulates

Title (de)  
Bleichaktivator-Co-Granulate

Title (fr)  
Cogranules d'activateur de blanchiment

Publication  
**EP 1319705 B1 20070613 (DE)**

Application  
**EP 02027051 A 20021203**

Priority  
DE 10161766 A 20011215

Abstract (en)  
[origin: EP1319705A1] A bleach activator co-granulate of at least one ammonium nitrile and at least one further bleach activator, is obtained by spraying an aqueous solution of one or more ammonium nitriles onto the bleach activator, granulating the resultant mixture and drying and sieving the moist granulate.

IPC 8 full level  
**C11D 3/39** (2006.01); **C11D 7/54** (2006.01); **C11D 1/04** (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01); **C11D 1/29** (2006.01); **C11D 3/22** (2006.01); **C11D 7/08** (2006.01); **C11D 7/10** (2006.01); **C11D 7/26** (2006.01); **C11D 17/06** (2006.01)

CPC (source: EP US)  
**C11D 3/3907** (2013.01 - EP US); **C11D 3/3935** (2013.01 - EP US); **C11D 3/3925** (2013.01 - EP US)

Cited by  
US7709437B2; WO2007012451A1; EP3392329B1

Designated contracting state (EPC)  
BE CH DE ES FR GB IT LI

DOCDB simple family (publication)  
**EP 1319705 A1 20030618; EP 1319705 B1 20070613**; DE 10161766 A1 20030626; DE 50210307 D1 20070726; ES 2287216 T3 20071216; JP 2003193093 A 20030709; US 2003144166 A1 20030731; US 2006252664 A1 20061109; US 7332464 B2 20080219

DOCDB simple family (application)  
**EP 02027051 A 20021203**; DE 10161766 A 20011215; DE 50210307 T 20021203; ES 02027051 T 20021203; JP 2002362276 A 20021213; US 31880502 A 20021213; US 48146906 A 20060706