

Title (en)

STABILISED QUATERNARY AMMONIUM COMPOSITIONS

Title (de)

STABILISIERTE QUATERNÄRE AMMONIUMZUSAMMENSETZUNGEN

Title (fr)

COMPOSITIONS STABLES D'AMMONIUM

Publication

EP 1080171 A1 20010307 (EN)

Application

EP 99924984 A 19990512

Priority

- EP 9903366 W 19990512
- GB 9810655 A 19980518

Abstract (en)

[origin: WO9960081A1] Stabilised compositions comprising quaternary ammonium material containing at least one ester group characterised in that they further comprise one or more stabilising agents containing at least one ester group via the steps of adding at least one stabilising agent to the quaternary ammonium material, wherein the stabilising agent is a strong hydrogen bond donor is also provided.

IPC 1-7

C11D 1/62; C11D 3/32; C11D 3/20

IPC 8 full level

C11D 1/62 (2006.01); **C11D 3/20** (2006.01); **C11D 3/26** (2006.01); **D06M 13/463** (2006.01); **C11D 3/32** (2006.01)

CPC (source: EP)

C11D 1/62 (2013.01); **C11D 3/2065** (2013.01); **C11D 3/32** (2013.01); **C11D 3/323** (2013.01)

Designated contracting state (EPC)

BE DE ES FR GB IT

DOCDB simple family (publication)

WO 9960081 A1 19991125; WO 9960081 A8 20010322; WO 9960081 B1 20000120; AR 016032 A1 20010530; AU 4143899 A 19991206; AU 732651 B2 20010426; BR 9910549 A 20010130; BR 9910549 B1 20090113; CA 2325018 A1 19991125; CA 2325018 C 20100713; CN 1192083 C 20050309; CN 1301293 A 20010627; CZ 20004292 A3 20011212; CZ 300743 B6 20090729; DE 69923175 D1 20050217; DE 69923175 T2 20050623; EP 1080171 A1 20010307; EP 1080171 B1 20050112; ES 2234259 T3 20050616; GB 9810655 D0 19980715; HU P0101910 A2 20011128; HU P0101910 A3 20020828; JP 2002515551 A 20020528; PL 190329 B1 20051130; PL 344240 A1 20011008; RO 121133 B1 20061229; RU 2220190 C2 20031227; TR 200003386 T2 20010621; ZA 200006734 B 20011119

DOCDB simple family (application)

EP 9903366 W 19990512; AR P990102345 A 19990518; AU 4143899 A 19990512; BR 9910549 A 19990512; CA 2325018 A 19990512; CN 99806168 A 19990512; CZ 20004292 A 19990512; DE 69923175 T 19990512; EP 99924984 A 19990512; ES 99924984 T 19990512; GB 9810655 A 19980518; HU P0101910 A 19990512; JP 2000549690 A 19990512; PL 34424099 A 19990512; RO 200001089 A 19990512; RU 2000131616 A 19990512; TR 200003386 T 19990512; ZA 200006734 A 20001117