

Title (en)

AMMONIUM NITRATE PROPELLANTS WITH MOLECULAR SIEVE

Title (de)

MOLEKULARSIEB UND AMMONIUMNITRAT ENTHALTENDE TREIBSTOFFE

Title (fr)

PROPULSEURS AU NITRATE D'AMMONIUM A TAMIS MOLECULAIRE

Publication

EP 0946464 A1 19991006 (EN)

Application

EP 96946254 A 19961126

Priority

US 9618874 W 19961126

Abstract (en)

[origin: WO9823558A1] The present invention is directed to an age-stabilized and/or strengthened ammonium nitrate propellant composition wherein the strengthening agent is selected from the group consisting of azodicarbonamide, dicyandiamide, oxamide and mixtures thereof and wherein the age-stabilizing agent is a molecular sieve having a pore size of 13 angstroms or less.

IPC 1-7

C06B 31/28

IPC 8 full level

C06D 5/00 (2006.01); **C06B 23/00** (2006.01); **C06B 31/28** (2006.01); **C06B 31/30** (2006.01); **C06B 31/32** (2006.01); **C06B 45/10** (2006.01); **C06D 5/06** (2006.01)

CPC (source: EP KR)

C06B 23/006 (2013.01 - EP); **C06B 31/28** (2013.01 - KR); **C06B 31/30** (2013.01 - EP); **C06B 45/105** (2013.01 - EP); **C06D 5/06** (2013.01 - EP)

Designated contracting state (EPC)

DE FR GB IT NL SE

DOCDB simple family (publication)

WO 9823558 A1 19980604; CA 2273335 A1 19980604; EP 0946464 A1 19991006; EP 0946464 A4 20001206; JP 2002511829 A 20020416; KR 20000057253 A 20000915

DOCDB simple family (application)

US 9618874 W 19961126; CA 2273335 A 19961126; EP 96946254 A 19961126; JP 52657398 A 19961126; KR 19997004638 A 19990526