

Title (en)
GAS GENERATING COMPOSITIONS

Title (de)
GASERZEUGENDE ZUSAMMENSETZUNG

Title (fr)
COMPOSITIONS GENERATRICES DE GAZ

Publication
EP 0922015 A1 19990616 (EN)

Application
EP 96929828 A 19960830

Priority
US 9614011 W 19960830

Abstract (en)
[origin: WO9808782A1] A low-solids gas generating composition has a fuel of guanidine nitrate, nitroguanidine, cellulose, cellulose acetate, hexamine or mixtures thereof, with an oxidizer of ceric ammonium nitrate, lithium nitrate, lithium perchlorate, sodium perchlorate, phase stabilized ammonium nitrate, e.g., a combination of ammonium nitrate with potassium nitrate, potassium perchlorate or mixtures thereof such that the combination is a solid solution for phase stabilization, a mixture of ammonium perchlorate with at least one alkali metal salt, or mixtures thereof. The oxidizer/fuel mixture is within about 4 % of stoichiometric balance. Additives such as HMX, RDX, or fumed silica may be added, and the composition may be in the form of pellets, grains or granules.

IPC 1-7
C06B 25/34; **C06B 45/10**; **C06B 29/02**; **C06B 29/08**; **C06B 29/16**; **C06B 31/00**; **C06B 31/02**; **C06B 31/28**; **C06B 31/30**; **C06B 31/32**

IPC 8 full level
C06D 5/00 (2006.01); **C06B 29/16** (2006.01); **C06B 31/00** (2006.01); **C06B 31/12** (2006.01); **C06B 31/30** (2006.01); **C06B 31/32** (2006.01); **C06D 5/06** (2006.01)

CPC (source: EP)
C06D 5/06 (2013.01)

Citation (search report)
See references of WO 9808782A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9808782 A1 19980305; AU 6908596 A 19980319; CA 2264734 A1 19980305; EP 0922015 A1 19990616; JP 2000517282 A 20001226

DOCDB simple family (application)
US 9614011 W 19960830; AU 6908596 A 19960830; CA 2264734 A 19960830; EP 96929828 A 19960830; JP 51159098 A 19960830