

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)  
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Citation (search report)  
See references of WO 9808782A1

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