

Title (en)
GAS GENERATOR FUEL COMPOSITION

Title (de)
GASGENERATORTREIBSTOFF-ZUSAMMENSETZUNG

Title (fr)
COMPOSITION D'AGENTS PROPULSEURS POUR GENERATEURS DE GAZ

Publication
EP 1345872 A1 20030924 (DE)

Application
EP 01272021 A 20011217

Priority
• DE 10064285 A 20001222
• EP 0114901 W 20011217

Abstract (en)
[origin: WO02051773A1] The invention relates to solid gas generator fuel compositions (gas producing mixtures), comprising: (A) nitroguanidine or nitroguanidine stabilised with 0.1 to 0.5 % nitroguanidinium hydrogen sulphate and nitroguanidinium nitrate as fuel; (B) an oxidising agent selected from the group comprising alkali and earth alkali nitrates, chlorates and perchlorates, ammonium nitrate and perchlorate, copper compounds with oxidising properties and mixtures thereof; (C) a stabiliser selected from the group comprising hydrophobic SiO₂, inorganic and organic acids and mixtures thereof; and optionally (D) a combustion stabiliser or moderator and ash former or trap and mixtures thereof. The above gas generator fuel compositions comprise an improved shelf-life under hot storage conditions at 110 DEG C.

IPC 1-7
C06D 5/06

IPC 8 full level
B60R 21/26 (2006.01); **B01J 7/00** (2006.01); **C06B 25/34** (2006.01); **C06B 29/02** (2006.01); **C06B 29/22** (2006.01); **C06B 31/02** (2006.01); **C06B 31/28** (2006.01); **C06B 43/00** (2006.01); **C06D 5/00** (2006.01); **C06D 5/06** (2006.01)

CPC (source: EP US)
C06B 25/34 (2013.01 - EP US); **C06D 5/06** (2013.01 - EP US)

Citation (search report)
See references of WO 02051773A1

Designated contracting state (EPC)
AT DE FR

DOCDB simple family (publication)
WO 02051773 A1 20020704; AT E328854 T1 20060615; CZ 20031998 A3 20031015; CZ 297751 B6 20070321; DE 10064285 C1 20021017; DE 50110079 D1 20060720; EP 1345872 A1 20030924; EP 1345872 B1 20060607; JP 2004516223 A 20040603; JP 3848257 B2 20061122; US 2004108031 A1 20040610

DOCDB simple family (application)
EP 0114901 W 20011217; AT 01272021 T 20011217; CZ 20031998 A 20011217; DE 10064285 A 20001222; DE 50110079 T 20011217; EP 01272021 A 20011217; JP 2002552876 A 20011217; US 45143603 A 20031202