

Title (en)

ACID-FREE, GAS-GENERATING COMPOSITION

Title (de)

AZIDFREIE, GASERZEUGENDE ZUSAMMENSETZUNG

Title (fr)

COMPOSITION SANS AZIDE GENERATRICE DE GAZ

Publication

EP 1051373 B1 20040526 (DE)

Application

EP 99961043 A 19991201

Priority

- DE 29821544 U 19981202
- EP 9909382 W 19991201

Abstract (en)

[origin: WO0032541A1] The invention relates to an acid-free, gas-generating composition, especially for use in safety devices for automobiles. Said composition comprises a fuel and an inorganic oxidiser and has a combustion temperature of less than 2250 K. According to the invention, the inorganic oxidiser is a mixture of ammonium perchlorate and an inorganic nitrate, the molar ratio of ammonium perchlorate to nitrate (NO₃-) being greater than 1. The composition produces a high gas yield with significantly less particle emissions.

IPC 1-7

C06D 5/06; **C06B 29/22**

IPC 8 full level

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CPC (source: EP)

C06D 5/06 (2013.01)

Citation (examination)

- EP 1037806 A1 20000927 - BAUSCH & LOMB [US]
- EP 1061057 A1 20001220 - NIPPON KAYAKU KK [JP]
- EP 1093422 A2 20010425 - ATLANTIC RES CORP [US]
- EP 1006096 A1 20000607 - TRW AIRBAG SYS GMBH & CO KG [DE]
- EP 1114010 A1 20010711 - BREED AUTOMOTIVE TECH [US]

Designated contracting state (EPC)

DE FR SE

DOCDB simple family (publication)

DE 29821544 U1 19990218; DE 59909590 D1 20040701; EP 1051373 A1 20001115; EP 1051373 B1 20040526; WO 0032541 A1 20000608

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