

Title (en)

GAS GENERATING COMPOSITIONS AND AIRBAG INFLATORS

Title (de)

GASERZEUGUNGSZUSAMMENSETZUNGEN UND AIRBAG-AUFBLASVORRICHTUNGEN

Title (fr)

COMPOSITIONS GÉNÉRATRICES DE GAZ, ET GONFLEUR DE COUSSIN GONFLABLE DE SÉCURITÉ

Publication

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Application

EP 08780007 A 20080707

Priority

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- US 77822207 A 20070716

Abstract (en)

[origin: WO2009011769A1] Airbag inflators employ gas generating compositions formed from a mixture of fuels and a mixture of oxidizers and preferably mica at levels of 1 to 5 % by weight. The gas generant composition contains a primary and secondary fuel. The primary fuel is a guanidine compound, preferably guanidine nitrate. The secondary fuel is selected from tetrazoles, triazoles and mixtures thereof at levels of 5% by weight or less of the total gas generant composition. The oxidizer system is a mixture of at least two components selected from the group consisting of transition metal oxides, alkali metal nitrates and alkaline earth metal nitrates. The novel gas generants yield inflating gases having a reduced content of undesirable gases such as nitrous oxides and carbon monoxide.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [I] US 2004025991 A1 20040212 - CANTERBERRY JB [US], et al
- [I] US 6071364 A 20000606 - CANTERBERRY J B [US], et al
- [I] US 5765866 A 19980616 - CANTERBERRY J B [US], et al
- [AD] US 5756929 A 19980526 - LUNDSTROM NORMAN H [US], et al
- See references of WO 2009011769A1

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