

Title (en)

Pyrotechnic composition, which generates a hot non-toxic gas and use thereof in a protection system for motor vehicle occupants.

Title (de)

Pyrotechnische, ein nichttoxisches heisses Gas erzeugende Zusammensetzung und ihre Anwendung in einer Schutzeinrichtung für Insassin eines Kraftfahrzeuges.

Title (fr)

Composition pyrotechnique génératrice de gaz chauds non toxiques et son utilisation dans un système de protection des occupants d'un véhicule automobile.

Publication

EP 0576326 A1 19931229 (FR)

Application

EP 93401513 A 19930614

Priority

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Abstract (en)

The invention relates to a pyrotechnic composition generating nontoxic hot gases. The composition comprises essentially: - a binder which is the product of reaction of a hydroxylated glycidyl polyazide with a polyisocyanate, - an energetic plasticiser such as 1,2,4-butanetriol trinitrate, - an oxidising filler, at least 85 % of its weight consisting of ammonium nitrate. The composition, which does not contain any metal compounds, burns without producing solid residues with a rate of burning which is relatively independent of pressure. It is particularly well suited for gas generators for inflatable cushions operating without any filtration chamber.

IPC 1-7

C06D 5/06; **C06B 45/10**

IPC 8 full level

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CPC (source: EP)

C06B 45/105 (2013.01); **C06D 5/06** (2013.01)

Citation (search report)

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