

Title (en)

Igniter compositions for non-azide gas generants

Title (de)

Zündzusammensetzungen für azidfreie, gaserzeugende Zusammensetzungen

Title (fr)

Compositions d'allumage pour générateurs de gaz exempt d'azoture

Publication

EP 0763511 A2 19970319 (EN)

Application

EP 96306440 A 19960905

Priority

US 52912095 A 19950915

Abstract (en)

In an inflator module for an automotive airbag which contains a gas generant, particularly a non-azide gas generant, an igniter composition is provided for igniting the generant such that the generant produces lower volumes of toxic gaseous combustion products. The igniter composition has a fuel component which is 5 wt% to 100% Mg, TiH₂, Al or Ti, 0 to 95 wt% carbohydrate fuel having an oxygen content of 35 to 65 wt%; and an oxidizer component which is potassium or sodium chlorate or potassium or sodium perchlorate. The igniter composition has an oxygen-to-fuel ratio of at least 1 and preferably at least 1.05.

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C06C 9/00; **C06B 33/00**

IPC 8 full level

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CPC (source: EP)

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Cited by

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