

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, TiH<sub>2</sub>, 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.

IPC 1-7

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

IPC 8 full level

**B60R 21/26** (2006.01); **C06B 33/00** (2006.01); **C06C 9/00** (2006.01); **C06D 5/00** (2006.01)

CPC (source: EP)

**C06B 33/00** (2013.01); **C06C 9/00** (2013.01)

Cited by

EP1666439A3; CN103052609A; EP2594545A4; DE10204834A1; DE10204834B4; US9441451B2; US6984274B2; WO0047538A3; WO0044691A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0763511 A2 19970319**; **EP 0763511 A3 19970507**; JP H09118580 A 19970506

DOCDB simple family (application)

**EP 96306440 A 19960905**; JP 24358096 A 19960913