

Title (en)
Non-azide gas generating composition

Title (de)
Azidfreie, gaserzeugende Zusammensetzung

Title (fr)
Composition génératrice de gaz exempt d'azoture

Publication
EP 0949225 B1 20021120 (DE)

Application
EP 99105181 A 19990331

Priority
DE 29806504 U 19980408

Abstract (en)
[origin: EP0949225A1] Azide-free gas generating composition, especially for use in vehicle safety equipment, contains 20-60 wt.% fuel mixture of NOTLESS 2 components and 40-80 wt.% oxidant mixture of NOTLESS 3 components. The fuel mixture comprises 5-95 wt.% guanidine compound (I), 95-5 wt.% heterocyclic organic acid (II) and 0-20 wt.% other fuel; and the oxidant mixture comprises 20-70 wt.% transition metal oxide(s) (III), 10-50 wt.% basic copper (Cu) nitrate (IV) and 2-30 wt.% metal (per)chlorate, ammonium perchlorate and/or alkali(ne earth) nitrate.

IPC 1-7
C06D 5/06

IPC 8 full level
C06B 29/02 (2006.01); **C06B 43/00** (2006.01); **C06B 45/14** (2006.01); **C06D 5/00** (2006.01); **C06D 5/06** (2006.01)

CPC (source: EP US)
C06D 5/06 (2013.01 - EP US)

Cited by
DE10064285C1; FR2975097A1; US6589375B2; US7662248B2; WO0156953A1; WO0172666A1; WO2012153062A2; US9249063B2

Designated contracting state (EPC)
DE FR NL SE

DOCDB simple family (publication)
DE 29806504 U1 19980806; DE 59903442 D1 20030102; EP 0949225 A1 19991013; EP 0949225 B1 20021120; JP H11343192 A 19991214; US 6132537 A 20001017

DOCDB simple family (application)
DE 29806504 U 19980408; DE 59903442 T 19990331; EP 99105181 A 19990331; JP 10111899 A 19990408; US 28780099 A 19990407