

Title (en)

SELECTIVE NON-CATALYTIC REDUCTION (SNCR) OF TOXIC GASEOUS EFFLUENTS IN AIRBAG INFLATORS

Title (de)

SELEKTIVE NICHTKATALYTISCHE REDUKTION (SNCR) VON GIFTIGEN ABGASEN IN LUFTSACKAUFBLASVORRICHTUNGEN

Title (fr)

REDUCTION NON CATALYTIQUE SELECTIVE (SNCR) DES EFFLUENTS GAZEUX TOXIQUES DES GONFLEURS D'AIR BAGS

Publication

EP 0950040 A4 19991222 (EN)

Application

EP 97937077 A 19970731

Priority

- US 9713501 W 19970731
- US 69595496 A 19960812

Abstract (en)

[origin: WO9806682A2] NH₂ radical-generating compounds, independent of the gas generant composition, reduce the toxicity of effluent gases produced by combustion of nonazide gas generating compositions used to inflate vehicle occupant restraint systems. By selective reactive of the NH₂ radical with NO in the combustion gas, N₂ is formed thereby decreasing the concentration of toxic nitrogen oxides therein. Placement of the reducing compounds proximate to the gas generant bed ensures intimate contact with the combustion gases, and yet still provides a noninvasive method of toxic gas reduction.

IPC 1-7

C06D 5/00; **B60R 21/00**

IPC 8 full level

B60R 21/26 (2006.01); **C06B 23/02** (2006.01); **C06D 5/00** (2006.01); **C06D 5/06** (2006.01)

CPC (source: EP KR)

C06B 23/02 (2013.01 - EP); **C06D 5/00** (2013.01 - KR); **C06D 5/06** (2013.01 - EP)

Citation (search report)

- [PX] WO 9626169 A1 19960829 - DYNAMIT NOBEL AG [DE], et al
- [X] EP 0519485 A1 19921223 - DYNAMIT NOBEL AG [DE]
- See references of WO 9806682A2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 9806682 A2 19980219; **WO 9806682 A3 19980709**; AU 3967997 A 19980306; CA 2261969 A1 19980219; EP 0950040 A2 19991020; EP 0950040 A4 19991222; JP 2000514395 A 20001031; JP 3426250 B2 20030714; KR 19990037956 A 19990525

DOCDB simple family (application)

US 9713501 W 19970731; AU 3967997 A 19970731; CA 2261969 A 19970731; EP 97937077 A 19970731; JP 50978998 A 19970731; KR 19997001228 A 19990212