

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 A2 19991020 (EN)

Application

EP 97937077 A 19970731

Priority

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- 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)

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