

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

U.S. Department of Commerce  
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5-89,420

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Name (line 1) W.R. GRACE & COMPANY

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Name (line 1) \_\_\_\_\_

Name (line 2) \_\_\_\_\_

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Name (line 1) U. S. Department of Energy

Name (line 2) \_\_\_\_\_

Address (line 1) 1000 Independence Avenue, S.W.

Address (line 2) \_\_\_\_\_

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U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

Correspondent Name and Address

Area Code and Telephone Number

202-586-2802

Name Brenda K. Banks

Address (line 1) U. S. Department of Energy

Address (line 2) 1000 Independence Avenue, S.W.

Address (line 3) Washington, D. C. 20585-0162

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

# 1

Application Number(s) or Patent Number(s)

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

5,585,082

If this document is being filed together with a new Patent Application, enter the date the patent application was

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

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# 1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 0.00

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Brenda K. Banks

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12/21/04

Date

08/ 410,244 NOC  
Pat 5,585,082

# CONFIRMATORY LICENSE

(Advanced Waiver)

Title : **SOX/NOX SORBENT AND PROCESS OF USE**

Inventor(s) : **Michael S. Ziebarth, Michael J. Hager, Jean W. Beeckman & Stanislaw Plecha**

Serial No. : **410,244** Filing Date: **March 24, 1995**

Subcontractor : **W. R. GRACE & COMPANY**

DOE Contract No.: **Subcontract No. QZ002 under DOE Prime Contract No. DE-AC22-89PC88889 with M-K FERGUSON COMPANY**

DOE Case No. : **S-89,420 - U.S. Patent No. 5,585,082**

DOE Advanced Waiver No.: **W(A) -89-025**

Foreign Applications filed in or intended to be filed at Contractor's expense in (countries):

An advanced waiver of Government rights having been granted by the U.S. Department of Energy (DOE) to W. R. Grace & Company and the above-identified invention having been reported as a Subject Invention to DOE by the contractor with its election to file a domestic patent application thereon, the effective date of said waiver for the above invention is August 14, 1997.

Accordingly, this document is confirmatory of the paid-up license required to be granted to the Government under 41 CFR 9-9.109.6 and the above-identified contract in this invention, patent application and any resulting patent as well as any continuation, divisional, reissue, supplemental or continuation-in-part thereof, and of all rights acquired by the Government by the referenced patent rights clause, a copy of which is attached hereto and incorporated by reference herein. The undersigned certifies the attached copy to be a true copy of said clause. It is understood and agreed that this license does not preclude the Government from asserting rights under the provisions of said contract or any other agreement between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.

The government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

(SEAL) Signed this 17th day of October 1997

W. R. GRACE & COMPANY  
(Contractor)

By: [Signature] Assistant Secretary  
(Contractor's Official and Title)

2500 Grace Drive Columbia Md 21034  
(Business Address)