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

08-23-2002

## 102199898 RECURDATION FORM COVER SHEET

1. .

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

	PATENTS ONLY "		
	s: Please record the attached original document(s) or copy(ies).		
Submission Type	Conveyance Type		
New	Assignment Security Agreement		
Resubmission (Non-Recordation) Document ID#	License Change of Name		
Correction of PTO Error Reel # Frame #	Merger Other CONFIRMATORY LICENSE  U.S. Government		
Corrective Document Reel # Frame #	(For Use ONLY by U.S. Government Agencies)  Departmental File  Secret File		
Conveying Party(ies)	Mark if additional names of conveying parties attached Execution Date  Month Day Year		
Name (line 1) PENNSYLVANIA STATE UNIVERSI			
Name (line 2) Second Party	Execution Date Month Day Year		
Name (line 1)			
Name (line 2)			
Receiving Party	Mark if additional names of receiving parties attached		
Name (line 1) UNITED STATES DEPARTMENT O	F ENERGY  If document to be recorded is an assignment and the receiving party is not		
Name (line 2)	domiciled in the United States, an appointment of a domestic		
Address (line 1) 1000 INDEPENDENCE AVENUE, S.V.	representative is attached.		
Address (line 2)	Assignment.)		
Address (line 3) WASHINGTON	D. C. USA 20585		
City	State/Country Zip Code		
Domestic Representative Name and Address  Enter for the first Receiving Party only.			
Name			
Address (line 1)			
Address (line 2)			
Address (line 3)			
Address (line 4)			
FOR OFFICE USE ONLY			

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB

Mail documents to be recorded with required cover sheet(s) information and regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB

Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

REEL: 013205 FRAME: 0030

FORM PTO-1619B Expires 06/30/99 OMB 0651-0027	Page 2		U.S. Department of Commerce Patent and Trademark Office PATENT
Correspondent Name and Address	Area Code and Telephon	e Number	[630] 252-2393
Name ROBERT J. FISHER			
Address (line 1) U.S. DEPARTMENT OF ENERGY			
Address (line 2) OFFICE OF INTELLECTUAL PRO	PERTY LAW		
Address (line 3) 9800 SOUTH CASS AVENUE			
Address (line 4) ARGONNE, ILLINOIS 60439			
Pages Enter the total number of pag including any attachments.	es of the attached conveya	nce documen	t # 01
Application Number(s) or Patent Num	ber(s)	Mark if add	ditional numbers attached
Enter either the Patent Application Number or the P	atent Number (DO NOT ENTER B		• • •
Patent Application Number(s)	[	Patent N	lumber(s)
09/834,697			
If this document is being filed together with a new Pate was	nt Application, enter the date the	patent applicatio	n Month Day Year
Patent Cooperation Treaty (PCT)	DOT DO	<b>-</b>	POT
Enter PCT application number	PCT PC	·	PCT
only if a U.S. Application Number has not been assigned.	PCT PC	Т	PCT
Number of Properties  Enter the total in	number of properties involv	/ed. # [	
Fee Amount Fee Amount	for Properties Listed (37 Cl	FR 3.41): \$	
Method of Payment: Enclos  Deposit Account  (Enter for payment by deposit account or if add	litional fees can be charged to the	L	
Deposit Account Number: #			
	Authorization to charge addition	onal fees: Y	es No 🗸
Statement and Signature			
To the best of my knowledge and be attached copy is a true copy of the o	· ·		_

Signature Name of Person Signing **Date** 

indicated herein.

Mark P. Dvorscak

AUG 1 2 2002

## **CONFIRMATORY LICENSE**

(Nonprofit Organizations or Small Business Firms)

Title	:	POWERFUL REDUCTANT FOR DECONTAMINATION OF GROUND-WATER AND SURFACE STREAMS			
Inventor(s)	:	Sherman M. Ponder & Thomas E. Mallouk			
Serial No.	:	09/834,697 Filing Date: April 13, 2001			
Contractor	:	Pennsylvania State University			
DOE Contract No	).:	DE-FG07-97ER14822			
DOE Case No.	:	S-100,039 CIP of DOE Case No. S-100,031 - U.S. Patent No.6,242,663			
Patent Rights Cla	use No.:	DEAR 952.227-11			
Foreign Applications filed in or intended to be filed at Contractor's expense in (countries):					
Accordingly, this d practice or to have identified contract, tion, divisional, rei acquired by the Go incorporated by ref is understood and a provisions of said of asserting any other	ocument practiced in this Sussue, supp vernment erence he agreed that contract orights of	ght to retain title to Subject Inventions as a result of Public Law 96-517, has reported on as a Subject Invention to DOE with its election to retain title thereto.  is confirmatory of the nonexclusive, nontransferable, irrevocable, paid-up license to for or on behalf of the United States, required by the Public Law and the above-ubject Invention, patent application and any resulting patent, as well as any continuablemental or continuation-in-part thereof, throughout the world and of all other rights by the above-identified patent rights clause, a copy of which is attached hereto and the rein. The undersigned certifies the attached copy to be a true copy of said clause. It is license does not preclude the Government from asserting rights under the rof any other agreement between the Government and the Contractor, or from the Government with respect to the above-identified Subject Invention.			
patent application.		00 00 00 00 00 00 00 00 00 00 00 00 00			
(SEAL)		Signed this day of July, 20_02  THE PENNSYLVANIA STATE UNIVERSITY  (Contractor)  By:, Ronald J. Huss, Director  (Contractor's Official and Title)  Intellectual Property Office, 113 Technology Center  The Pennsylvania State University, University Park, PA  (Business Address) 16802			

**RECORDED: 08/19/2002** 

PATENT REEL: 013205 FRAME: 0032