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

08-30-2004



102824212

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

RECORDATION FORM COVER SHEET DATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).						
Submission Type / Conveyance Type						
✓ New	4/26/09	Assignment	Security Agreeme	ent		
1 1	Resubmission (Non-Recordation) Document ID#		Change of Name			
Correction of PTO Error Reel # Frame #		Merger	✓ Other			
Correctiv	e Document Frame #	L7-1	U.S. Government ONLY by U.S. Government Ag artmental File	encies) Secret File		
Conveying Party(ies) Mark if additional names of conveying parties attached Execution Date Month Day Year						
Name (line 1) BROOKHAVEN SCIENCE ASSOCIATES/BROOKHAVEN NATIONAL LABORATORY 07/19/2004						
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 representative is attached. (Designation must be a separate document from					
Address (line 2)				- Assignment.)		
Address (line 3)		DC	2058			
City State/Country Zip Code Domestic Representative Name and Address Enter for the first Receiving Borth only						
		Cittel i	or the first Receiving Party	<u> </u>		
Name	UNITED STATES DEPARTMENT OF ENERGY					
Address (line 1)	1000 INDEPENDENCE AVENUE					
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 to:

Washington, D.C. 20231

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

REEL: 015725 FRAME: 0058

FORM PTO-16 Expires 06/30/99 OMB 0651-0027	619B	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT		
Correspond	ent Name and Address	Area Code and Telephone Number [630-252-2042		
Name	ROBERT J. FISHER				
Address (line 1)	U.S. DEPARTMENT OF ENERGY				
Address (line 2)	INTELLECTUAL PROPERTY LAW	DIVISION			
Address (line 3)	9800 SOUTH CASS AVENUE				
Address (line 4)	ARGONNE, ILLINOIS 60439				
Pages	Enter the total number of page including any attachments.	es of the attached conveyance docum	ent # 01		
• -	Number(s) or Patent Num	• •	additional numbers attached		
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)					
10/835,092					
If this document i	is being filed together with a new Pater	nt Application, enter the date the patent applica	Month Day Year		
Ento only	peration Treaty (PCT) or PCT application number or if a U.S. Application Number not been assigned.	PCT PCT PCT PCT	PCT PCT		
Number of Properties Enter the total number of properties involved. #					
Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$					
Method of Payment: Enclosed Deposit Account Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the Deposit Account Number: # Authorization to charge additional fees: Yes No					
Statement a	nd Signature				
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.					
	BRIAN J. LALLY	7/1	AUG 2 0 2004		
Nam	e of Person Signing	Signature	Date		

PATENT REEL: 015725 FRAME: 0059

CONFIRMATORY LICENSE

Application for:

Method and Apparatus for Signal Processing in a Sensor System

for Use in Spectroscopy

Inventor(s):

O'Connor, Paul, et al.

Serial No.:

10/835,092

Filing Date (U.S.):

04-29-2004

Contractor No.:

DE-AC02-98CH-10886

Contractor:

Brookhaven Science Associates

The invention identified above is a "Subject Invention" under the above-numbered contract. A copy of the provisions of the above-numbered contract (executed on January 5, 1998) governing patent rights in the Subject Invention at the time the invention was made has been submitted to the U.S. Department of Energy.

The Contractor hereby confirms that under the provisions of the above-numbered contract governing patent rights, it has granted to the Government a nonexclusive, nontransferable, irrevocable, paid-up license to practice or to have practiced for on behalf of the United States the subject invention throughout the world. This license applies to the invention in the aboveidentified patent application and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.

It is understood and agreed that this document 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 Contractor hereby grants the Government an irrevocable power to inspect and make copies of the above-identified application.

Signed this 19th day of July, 2004.

RECORDED: 08/26/2004

BROOKHAVEN SCIENCE ÁSSOCIATES/ **BROOKHAVEN NATIONAL LABORATORY**

Margaret C. Bogosian

Manager, Office of Intellectual Property

And Sponsored Research

Brookhaven National Laboratory

Bldg. 475D - P.O. Box 5000

Upton, New York 11973-5000

PATENT REEL: 015725 FRAME: 0060