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

Jan 3 1 2005

02-08-2005



RECORDA 102936171

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

1.3105

PATENTS ONLY					
TO: The Commissioner of Patents and Trademarks: 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			
Corrective Document	U.S. Govern (For Use ONLY by U.S. Go				
Reel # Frame #	✓ Departmental File	Secret File			
Conveying Party(ies)	Mark if additional names of conve	eying parties attached Execution Date Month Day Year			
Name (line 1) Southwest Sciences Incorporated		01/19/2005			
Name (line 2) Second Party Name (line 1)		Execution Date Month Day Year			
Name (line 2)					
Receiving Party Mark if additional names of receiving parties attached Name (line 1) United States Department of Energy If document to be recorded					
Name (line 2)	receiving party is not				
Address (line 1) 1000 Independence Avenue	of a domestic				
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 WAY					
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,

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:

Mail documents to be recorded with required cover sheet(s) information to:

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

PATENT

REEL: 016227 FRAME: 0499

FORM PTO-1 Expires 06/30/99 OMB 0651-0027	619B	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT	
Correspond	lent 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)	Intellecual Property Law Division			
Address (line 3)	9800 S. Cass Ave			
Address (line 4)	Argonne, IL 60439			
Pages	Enter the total number of pagincluding any attachments.	ges of the attached conveyance docum	ent # 01	
Application	Number(s) or Patent Num	nber(s) Mark if	additional numbers attached	
	the Patent Application Number or the l atent Application Number(s)	Patent Number (DO NOT ENTER BOTH numbers Paten	for the same property). t Number(s)	
09/782,138	Trent Application Number (9)	l	Trumber(s)	
If this document was	is being filed together with a new Pate	ent Application, enter the date the patent applica	tion Month Day Year	
Patent Coop	peration Treaty (PCT)	PCT PCT	DCT	
	er PCT application number		PCT	
	y if a U.S. Application Number s not been assigned.	PCT PCT	PCT	
Number of I	Properties Enter the total	number of properties involved.		
Fee Amoun	t Fee Amount	for Properties Listed (37 CFR 3.41): \$	0.00	
	d of Payment: Enclo	osed 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	and Signature			
attach		elief, the foregoing information is true a priginal document. Charges to deposit		
Brian	J. Lally, Reg. No. 51,911		1-27-15	
Nam	e of Person Signing	Signature	Date	
			:	

PATENT REEL: 016227 FRAME: 0500

CONFIRMATORY LICENSE

(Nonprofit Organizations or Small Business Firms)

Title : Acoustic Resonance Frequency Locked Photoacoustic Spectrometer

Inventor(s) : Jeffrey S. Pilgrim, David S. Bomse, and Joel A. Silver

Serial No. : 09/782,138 Filing Date: February 12, 2001

Patent No. : 6,618,148 Issued: September 9, 2003

Contractor : Southwest Sciences Incorporated

Prime Contract No.: **DE-FG03-99ER82887**

DOE Case No. : **S-95,309**

Patent Rights Clause No: **DEAR 952.227-11**

RECORDED: 01/31/2005

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

The contractor, having the right to retain title to Subject Inventions as a result of Public Law 96-517, has reported the above-identified invention as a Subject Invention to DOE with its election to retain title thereto.

Accordingly, this document is confirmatory of the nonexclusive, nontransferable, irrevocable, paid-up, worldwide, license to practice or to have practiced for or on behalf of the United States, required by the Public Law and the above-identified contract, in this subject invention, patent application and any resulting patent, as well as any continuation, divisional, reissue, supplemental or continuation-in-part thereof, throughout the world and of all other rights acquired by the Government by the above-identified 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 of any other agreement between the Government and the Contractor, or from asserting any other rights of the Government with respect to the above-identified subject invention.

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

> PATENT REEL: 016227 FRAME: 0501