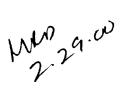
FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

03-20-2000

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





101293144 RECORDATION FORM COVER SHEET PATENTS ONLY

TO: The Commissioner of Patents and Trad	demarks: Please record the attached origin	nal document(s) or copy(ies).
Submission Type	Conveyance Type	
√ New		urity Agreement
Resubmission (Non-Recordation) Document ID#	License Cha	nge of Name
Correction of PTO Error Reel # Frame #	Merger V Othe	
Corrective Document Reel # Frame #	(For Use ONLY by U.S. ✓ Departmental I	vernment . Government Agencies) File Secret File
Conveying Party(ies)	Mark if additional names of co	onveying parties attached Execution Date
Name (line 1) California, University of		Month Day Year 10/21/98
Name (line 2) Second Party Name (line 1)		Execution Date Month Day Year
Name (line 2)		
Receiving Party	Mark if addition	nal names of receiving parties attached
Name (line 1) U.S. Depatment of Energy		If document to be recorded is an assignment and the
Name (line 2)		receiving party is not domiciled in the United States, an appointment
Address (line 1) P.O. Box 808 (L-376)		of a domestic representative is attached. (Designation must be a separate document from
Address (line 2)		Assignment.)
Address (line 3) Livermore	CA	94550
Domestic Representative Name a	State/Country And Address Enter for the first F	Zip Code Receiving Party only.
Name	Enter for the first i	receiving raity only.
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 to:

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

FORM	PTO-1619B			
Expires 06/30/99				
OMR 0651	-0027			

Page 2

U.S. Department of Commerce Patent and Trademark Office

Correspondent Name and Address		
oon copondent Name and Address	Area Code and Telephone Number	(925) 422-4367
Name William C. Daubenspeck		
Address (line 1) U.S. Department of Energy		
Address (line 2) Lawrence Livermore National Labo	oratory	70°00°00°00°00°00°00°00°00°00°00°00°00°0
Address (line 3) P. O. Box 808 (MS L-376)		
Address (line 4) Livermore, CA 94550		
Pages Enter the total number of pages including any attachments.	ges of the attached conveyance document	# 1
Application Number(s) or Patent Nur	mber(s) Mark if addit	tional numbers attached
	Patent Number (DO NOT ENTER BOTH numbers for ti	• • •
Patent Application Number(s)	Patent Nu	ımber(s)
09/131183		
If this document is being filed together with a new Pat was	tent Application, enter the date the patent application	Month Day Year
Patent Cooperation Treaty (PCT)		
Enter PCT application number	PCT PCT	PCT
only if a U.S. Application Number has not been assigned.	PCT PCT	PCT
Number of Properties	number of properties involved.	1
P A	t for Properties Listed (37 CFR 3.41): \$	0.00
	osed Deposit Account	0.50
Deposit Account		
(Enter for payment by deposit account or if ac	dditional fees can be charged to the Deposit Account Number: #	
	Authorization to charge additional fees: Yes	No 🗸
Statement and Signature		
	elief, the foregoing information is true and o	
attached comit is a form comit of the	original document. Charges to deposit acc	ount are authorized, as
attached copy is a true copy of the c indicated herein.	7	
	(famil to They : Signature	2/24/2000

PATENT

REEL: 010611 FRAME: 0868

Patent Application Filed in the Name of the Contractor Electable (1/97)

CONFIRMATORY LICENSE

Title: System and Method For Optically Locating DOE Docket No.: S-86,786 (RL-13905)

Microchannel Positions

Inventor(s): Laurence R. Brewer et al. Contract Number: W-7405-ENG-48

Contractor: University of California

RECORDED: 02/29/2000

Lawrence Livermore National Laboratory

Contractor Docket No.: IL-10147

U.S. Patent Application S.N.: 09/131,183

Filing Date: August 7, 1998

Foreign patent applications filed or intended to be filed at contractor's expense in (countries):

The Contractor certifies that a true copy of the provisions which govern patent rights in "subject inventions" under the above-identified contract is herewith submitted or has been submitted to the U.S. Department of Energy by certification dated February 29, 1996.

WHEREAS, the above-identified contract provides the Contractor with the right to elect to retain title in certain inventions and the Contractor has reported the above-identified invention as a subject invention under the contract, has elected to retain title therein, and has agreed to file a domestic patent application thereon, if not previously filed.

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

The Government reserves for itself, and is hereby granted by the Contractor, the irrevocable power to inspect and make copies of the file wrapper(s) of the above-identified U.S. patent application and of any related or continuation patent application(s), whether domestic or foreign, for the above-identified invention.

It is understood and agreed that this instrument does not preclude the Government from asserting rights under the provisions of the above-identified 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.

Signed on behalf of: THE REGENTS OF TH	HE UNIVERSITY OF CALIFORNIA
(Co	ontractor)
Vitness: Cayl Coulin	By: Land y. Sulk 10/21/98
(Signature)	(Contractor Official's Signature) (Date)
Terry K. Contreras, Administrative Specialist (Name and Title)	Janet G. Tulk, Laboratory Counsel (Print/Type Contractor Official's Name and Title)
	300 Lakeside Drive, 22nd Floor (Print/Type Contractor's Address)
	Oakland, CA 94612-3550

PATENT REEL: 010611 FRAME: 0869