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

05-27-1999

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

## 

101049062
RECORDATION FORM COVER SHEET

TO: The Commissioner of Patents and Trade	PATENTS ONLY	dogument(a) == ====(i==)
Submission Type	Conveyance Type	accument(s) or copy(les).
New	1 [	ty Agreement
Resubmission (Non-Recordation) Document ID#	License Change	e of Name
Correction of PTO Error Reel # Frame #	Merger V Other	Confirmatory License
Corrective Document Reel # Frame #	U.S. Gover (For Use ONLY by U.S. Go  ✓ Departmental File	vernment Agencies)
Conveying Party(ies)	Mark if additional names of conve	eying parties attached Execution Date  Month Day Year
Name (line 1) BROWN UNIVERSITY		05/03/1999
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 En	ergy	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.W.	V.	representative is attached. (Designation must be a separate document from
Address (line 2)		Assignment.)
Address (line 3) Washington	D. C. USA State/Country	20585 Zip Code
Domestic Representative Name and		
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,

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: 009973 FRAME: 0465** 

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

## Page 2

U.S. Department of Commerce Patent and Trademark Office

OMB 0651-0027		PATENT
Correspondent Name and Address	Area Code and Telephone Numbe	er [630] 252-2176
Name Robert J. Fisher		
Address (line 1) U.S. Department of Energy		
Address (line 2) Office of Intellectual Property Law	T COMPANY	
Address (line 3) 9800 South Cass Avenue		
Address (line 4) Argonne, Illinois 60439		
Pages Enter the total number of pa including any attachments.	ges of the attached conveyance doc	ument # 01
Application Number(s) or Patent Nu	mber(s) Mar	k if additional numbers attached
Enter either the Patent Application Number or the		• • • •
Patent Application Number(s)	Pa	tent Number(s)
954,347		
If this document is being filed together with a new Pa was	tent Application, enter the date the patent app	dication Month Day Year
Patent Cooperation Treaty (PCT)		
Enter PCT application number	PCT PCT	PCT
only if a U.S. Application Numbe has not been assigned.	PCT PCT	PCT
Number of Properties  Enter the total	I number of properties involved.	# 01
Fee Amount Fee Amoun	at for Properties Listed (37 CFR 3.41):	\$
	osed Deposit Account	
Deposit Account (Enter for payment by deposit account or if a	dditional fees can be charged to the Deposit Account Number:	<b>"</b>
	Authorization to charge additional fees:	# Yes No 🗸
Statement and Signature		
To the best of my knowledge and be attached copy is a true copy of the indicated herein.	elief, the foregoing information is tru original document. Charges to depo	e and correct and any sit account are authorized, as
Mark P. Dvorscak	MPDVovscak	5-21-99
Name of Person Signing	Signature	Date

PATENT

REEL: 009973 FRAME: 0466

## CONFIRMATORY LICENSE

(Nonprofit Organizations or Small Business Firms)

Humphrey J. Maris & Robert Stoner

OPTICAL STRESS GENERATOR AND DETECTOR

Title

Inventor (s)

Serial No. :	<u>954,347</u>	Filing Date:	October 17, 1	
Contractor :	Brown University			
DOE Contract No.:	DE-FG02-86ER45267			
DOE Case No. :	S-91682			
Patent Rights Clause No.	: DEAR 952.227-71			
Foreign Applications file	d in or intended to be filed	d at Contractor's expens	se in (countries	):
	right to retain title to Subjected invention as a Subject Inv			•
practice or to have practice identified contract, in this s	t is confirmatory of the none d for or on behalf of the Uni Subject Invention, patent app issue, supplemental or contir	ted States, required by the blication and any resulting nuation-in-part thereof, the	ne Public Law and g patent, as well hroughout the we	nd the above- as any orld and of all
other rights acquired by the attached hereto and incorpe copy of said clause. It is ususserting rights under the p Contractor, or from asserting	e Government by the above-interest by reference herein. Inderstood and agreed that this rovisions of said contract oring any other rights of the Go	The undersigned certifies is license does not preclu of any other agreement l	the attached cop ade the Governm between the Gov	py to be a true ent from vernment and the
other rights acquired by the attached hereto and incorpe copy of said clause. It is us asserting rights under the p Contractor, or from asserting Invention.  The Government is hereby	orated by reference herein. Inderstood and agreed that this rovisions of said contract or	The undersigned certifies is license does not preclute of any other agreement lovernment with respect to	the attached copude the Governme between the Government of the above-ident	py to be a true tent from vernment and the tified Subject
other rights acquired by the attached hereto and incorpe copy of said clause. It is us asserting rights under the p Contractor, or from asserting Invention.  The Government is hereby patent application.	orated by reference herein. Inderstood and agreed that this rovisions of said contract or any other rights of the Go	The undersigned certifies is license does not preclu of any other agreement lovernment with respect to the to inspect and make co	the attached copude the Governme between the Government of the above-ident	py to be a true tent from vernment and the tified Subject
other rights acquired by the attached hereto and incorpe copy of said clause. It is us asserting rights under the p Contractor, or from asserting Invention.  The Government is hereby patent application.	prated by reference herein. Inderstood and agreed that this rovisions of said contract or any other rights of the Gongranted an irrevocable power.	The undersigned certifies is license does not preclu of any other agreement levernment with respect to the er to inspect and make constant and day of	s the attached copude the Governme between the Government of the above-ident oppies of the above	py to be a true sent from vernment and the tified Subject re-identified
other rights acquired by the attached hereto and incorpe copy of said clause. It is us asserting rights under the p Contractor, or from asserting Invention.  The Government is hereby patent application.	orated by reference herein. Inderstood and agreed that this rovisions of said contract or any other rights of the Go granted an irrevocable power.  Signed this	The undersigned certifies is license does not preclusof any other agreement between with respect to the er to inspect and make constant and day of	s the attached copude the Government between the Government of the above-ident oppies of the above May	py to be a true sent from vernment and the tified Subject re-identified
other rights acquired by the attached hereto and incorpe copy of said clause. It is us asserting rights under the p Contractor, or from asserting Invention.  The Government is hereby patent application.	prated by reference herein. Inderstood and agreed that this rovisions of said contract or any other rights of the Gongranted an irrevocable power.	The undersigned certifies is license does not preclusof any other agreement between with respect to the er to inspect and make constant and day of	the attached copude the Government between the Government of the above-ident opies of the above May  VERSITY RESE	py to be a true sent from vernment and the tified Subject re-identified
other rights acquired by the attached hereto and incorpe copy of said clause. It is us asserting rights under the p Contractor, or from asserting Invention.	orated by reference herein. Inderstood and agreed that this rovisions of said contract or any other rights of the Go granted an irrevocable power Signed this	The undersigned certifies is license does not preclusof any other agreement between with respect to extra to inspect and make compared and day of	the attached copude the Government between the Government of the above-ident opies of the above May  VERSITY RESE	py to be a true sent from vernment and the tified Subject re-identified

PATENT
RECORDED: 05/24/1999 REEL: 009973 FRAME: 0467