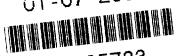
FORM PTO-1619A

Expires 06/30/99 OMB 0651-0027 01-07-2002



101935783

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

<del>09/430,643</del>

## RECORDATION FORM COVER SHEET PATENTS ONLY

	P/	AIENIS	UNLY						
TO: The Commissioner of Pat				d original do	cument(s	s) or copy(ies).			
Submission Type	, ,   [	onveyand	e lype						
New \ 3   · 0		Assignn	nent	Security Ag	reement				
Resubmisson (Non-Recordation) Document ID#		License Change of Name							
Correction of PTO Error Reel # Frame #		Merger CONFIRMATORYINSTRUME							
Corrective Document	ile #	<b>.</b>		. Governme by U.S. Governm		es)			
Reel # Fran	ne #	*	Departme			ret File			
Conveying Party(ies) Name (line 1) RAYTHEON C	COMPANY	Mark if ac	Iditional names o	of conveying pa	arties attac	hed Execution Date 1 Month 1 9ay 9 Year			
Name (line 2)									
Second Party Name (line 1)						Execution Date Month Day Year			
Name (line 2)									
Receiving Party			Mark if ad	ditional names	of receiving	g parties attached			
NAVY, SECF	RETARY OF THE	'	<del></del>			If document to be recorded			
, ,	ATES OF AMERICA	<u>.</u>			L	is an assignment and the receiving party is not domiciled in the United States, an appointment			
Address (line 1)	NAVAL RESEARCH	Ι				of a domestic representative is attached.			
Address (line 2)	QUINCY STREET			22217-	-5660	(Designation must be a separate document from Assignment.)			
ARLINGTON Address (line 3)	VA •	S4-4-/6	<b>.</b>						
Domestic Representativ	4		Country		ip Code				
Name HARVEY FEI	NDELMAN		Enter for the fir	rst Receiving P	arty only.				
SPACE AND Address (line 1)	NAVAL WARFARE	SYSTEM	CENTER						
OFFICE OF Address (line 2)									
Address (line 3) 53510 SIL	VERGATE AVENUE	<b>.</b>							
Address (line 4) SAN DIEGO	CA 92152-57	65							
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 repairing the data needed to complete the Cover Sheet. Send comments repairing the data needed to complete the Cover Sheet. Send comments repairing the data needed to complete the Cover Sheet. Send comments repairing the data needed to complete the Cover Sheet. Send comments repairing the data needed to complete the Cover Sheet. Send comments repairing the data needed to complete the Cover Sheet Sheet

**REEL: 012414 FRAME: 0448** 

				C	9/430,64	3	
FORM PTO-1619B  Expires 06/30/99			Pag	U.S. Department of Commerce Patent and Trademark Office			
OMB 0651-0027					<del>d</del>	PATENT	
Corresponde	ent Name and	d Address	Area Code a	nd Telephone Numb	er (703)	696-4006	
Name	JEAN TRUMA	N		•		3 3000	
Address (line 1)	OFFICE OF	NAVAL RESEA	ARCH				
Address (line 2)	OFFICE OF	COUNSEL					
Address (line 3)		QUINCY STRE	EET				
Address (line 4)	ARLINGTON	VA 22217-	-5660				
Pages	Enter the total including any		es of the attac	hed conveyance do	cument	#1	
• •	Number(s) or		• •			al numbers attached	
	e Patent Application ent Application		ent Number (DC	NOT ENTER BOTH num	<i>bers for the</i> s itent Numb		
	s being filed togethe t named executing i		Application, ente	r the date the patent appl	ication was	Month Day Y	<b>'</b> ear
Patent Coop	eration Treat						
Enter PCT application number			PCT	PCT		РСТ	
	<u>if</u> a U.S. Applica not been assigi		PCT	РСТ		PCT	
Number of P	-	Enter the total	number of p	roperties involved.	1 # No fe	e reg'd	
Fee Amount		Fee Amount for	r Properties L	isted (37 CFR 3.41	): \$		
Deposit .	of Payment: Account payment by deposit	Enclose account or if addition		posit Account harged to the account.)			
		Dep	osit Account I	Number:	#	×	
Statement and	d Signature	Aut	thorization to c	harge additional fees:	Yes	No	
	copy is a true c			information is true a Charges to deposit		re authorized, as	
THOMAS E.			t : 	TO COMMENT AND ADMINISTRATION OF THE PROPERTY	The state of the s	10/19/0	_
Name of	f Person Signing		Signa	ture In Michili <b>u</b> i		Date	
				<b>                                       </b>			<u></u>
			∠OC PATENT & TRAD	<del>-</del>			

PATENT REEL: 012414 FRAME: 0449

## **Confirmatory License**

## **Patent Application**

Application for:

Semiconductor Diode Lasers With Thermal Sensor Control Of The Active

Region Temperature

Attorney's Docket No.:

13505

Inventor(s):

Garbuzov, D. Z.

Maiorov, M. A. Khalfin, V. B.

Connolly, J. C.

Application No.:

09/430643

Filing Date: 29-Oct-99

Country:

US

Contractor:

Sarnoff Corporation

CN 5300

Princeton, NJ 08543-5300

Contract No.:

DARPA

RECORDED: 12/31/2001

N66001-96-C-8630

The invention identified above is a "Subject Invention" under Patent Rights Clause FAR 52.227-12, Patent Rights - Retention By The Contractor (Long Form) (June 1989), included in Contract No. N66001-96-C-8630 with DARPA. This document is confirmatory of the paid-up license granted to the Government under this contract in this invention, patent application, patent and any counterpart application in another country or region, and of all other rights acquired by the Government by the referenced clause.

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

Signed 10-Nov-99

Sarnoff Corporation

By:

William J. Burke

Vice President, Patents & Licensing

PATENT REEL: 012414 FRAME: 0450