FORM PTO-1595 (Rev. 6-93)	44.0	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
OMB No. 0651-0011 (MRD 5-27	2.018 $06-09-1990$	R SHEET
09/08360		PD-970537
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1. Name of conve	eving party(les):	Name and address of receiving party(ies):
Tzeng S. Che Steven C. Ma		Name: RAYTHEON COMPANY
		Internal Address: Bldg. R11, M/S M365
Additional Name (a) of conveying porturing ottoched?	P.O. Box 902
·	s) of conveying party(ies) attached?	El Segundo, California 90245-0902
yes □	no 图	
3. Nature of Conv	veyance:	Street Address: 2000 E. El Segundo Boulevard Bldg. R11, M/S M365
Assignm	nent Merger	El Segundo, California 90245
	Agreement	
		Additional name(s) & address(es) attached? ☐ yes ☒ no
Execution Date: 1	March 16, 1998	
A A	1/-	
4. Application nur	mber(s) or patent number(s):	
If this document is	s being filed together with a new application,	the execution date of the application is: March 16, 1998;
A. Pater	nt Application No.(s)	B. Patent No.(s) Jc551 U.S. PTO 09/083600
	Additional numbers a	05/22/38
Name and address of party to whom correspondence concerning document should be mailed:		
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	El Segundo, California 90245	(Attached duplicate copy of this page if paying by deposit account)
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9. Statement and	l signature.	
To the hest of	of my knowledge and belief, the foregoing inform	nation is true and correct and any attached copy is a true
	original document.	1
copy of the c	J 11	a loof
Leonar	rd A. Alkov	(lehar May 22, 1998
		nature Date
04/1998 JWATKINS 004		
	1	Total number of pages comprising cover sheet: [4]

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PATENT

REEL: 9212 FRAME: 0692



ASSIGNMENT

Page 1 of 2 PD-970537

WHEREAS, I, as below named sole inventor (if only one name is listed below) or joint inventor (if plural names are listed below) of the city and state as stated below next to my name, have invented a(an) HIGH BEAM QUALITY OPTICAL PARAMETRIC OSCILLATOR for which application for Letters Patent of the United States has been executed by me on this day, or (if the following is completed) filed on as Serial No. /,; and

WHEREAS, RAYTHEON COMPANY (hereinafter referred to as RAYTHEON), a Delaware Corporation, having its principal place of business in Los Angeles, California, is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world;

NOW, THEREFORE, in consideration of the obligations voluntarily assumed by me and set forth in an invention agreement between me and RAYTHEON, effective the date as stated below next to my name, and other good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign and transfer to RAYTHEON, its successors, assigns or other legal representatives, the entire and exclusive right, title and interest in and to said invention invented by me, to said application and any and allapplications which are continuations, continuations-in-part, divisions or substitutes of said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world on any of said applications and to any and all reexaminations, reissues, renewals or extensions of said Letters Patent in the United States and throughout the world for the full term or terms for which said Letters Patent may be granted in the United States and throughout the world; authorize and request The Assistant Commissioner for Patents of the United States and all foreign countries to issue all such Letters Patent to said RAYTHEON, its successors, assigns or other legal representatives; covenant that no assignment, sale, agreement, transfer or encumbrance has been, or will be, made or entered into which would conflict with this agreement, sale and transfer; and agree to communicate to RAYTHEON, its successors, assigns or other legal representatives, upon request and at no cost or expense to me, any facts known by me respecting said invention, do all lawful acts, including the execution and delivery of all papers and proper oaths and giving of testimony that is deemed necessary or desirable by RAYTHEON, its successors, assigns or other legal representatives with regard to said invention for protecting, obtaining, maintaining and enforcing any and all of said Letters Patent in the United States and throughout the world for said invention and for perfecting, affirming, recording and maintaining the title of RAYTHEON, its successors, assigns or other legal representatives, and generally cooperate to the fullest extent in all matters pertaining to said invention, and any and all of said Letters Patent and the title thereto in RAYTHEON, its successors, assigns or other legal representatives.

> PATENT REEL: 9212 FRAME: 0693

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR		DATE
TZENG S. CHEN	Topla Chen	3-16-98
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE
28505 LEACREST DR RNCHO PALO	S VRDS, ČA 90275 <i>√.</i>	April 21, 1986
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
STEVEN C. MATTHEWS	Stu Cata	3-16-98
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE
860 ILIFF ST PACIFIC PALISADE, C.	A 90272	August 13, 1984
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE
FULL NAME OF SOLE OR JOINT INVENTOR	LINVENTOR'S SIGNATURE	I DATE
TOLE IN THE ST GOLL ON GOIN IN LINE IN	WY ZWY SWY SWY WY ZWY ZWY ZWY ZWY ZWY ZWY ZWY ZWY ZW	5,112
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE
STATE OF CALIFORNI	<u>β</u>)) ss:	
COUNTY OF LOS ANGE	iles)	
On $3 - 16 - 98$ before n	ne, CHENYL R. East	LL,
a Notary Public in and for said State,	personally appeared TZENG	S. CHENT.
name(s) is/are subscribed to the with same in his/her/their authorized cap	red to me on the basis of satisfactory evidence in instrument and acknowledged to me that pacity(ias), and that by his/her/their signature which the person(a) acted, executed the instructed	he/she/they executed the e(s) on the instrument the
WITHESS my hand and officials	1	$\bigcirc\bigcirc$



Notary Public

PATENT REEL: 9212 FRAME: 0694

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of				
County of LOS ANGELES				
On $3 - 16 - 98$ before me	NAME, TITLE OF OFFICER - E.G., "JANE DOE, NOTARY PUBLIC"			
personally appearedSTEC				
personally known to me - OR - proved to me on the basis of satisfactory evidence				
	to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/ber/their authorized			
CHERYL R. EWELL COMM. 9 1054921	capacity(ies), and that by his/her/their signature(s) on the instrument the person(s),			
Notary Public — California LOS ANGELES COUNTY My Comm. Expires APR 16, 1999 L	or the entity upon behalf of which the person(s) acted, executed the instrument.			
	WITNESS my hand and official seal. SIGNATURE OF NOTARY			
OPTIONAL —				
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