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Document ID No.: 101593352	_ 10171:	2056		
To the Honorable Commissioner of			hed original documents or copy thereof.	
1. Name of conveying part	ty(ies):	2. Name and Add	ress of receiving party(ies):	
1. Raymond J. Beach		4 TI D	(1) 11 11 11 11 11 10 11 11	
2. Eric C. Honea		•	of the University of California	
3. Stephan A. Payne		1111 Franklin		
4. lan Mercer		Oakland, CA	94607-5200	
5. Michael D. Perry				
Attorney Docket No.: IL-105	71			
3. Nature of conveyance:				
■ Assignment	Exec	cution Date: Nove	ember 20, 2000	
4. Application number(s) o				
If this document is being filed	together with a new			
application, the execution da	te of the application is:	<u> </u>		
A. Patent Applica	tion No.(s)	E	B. Patent No.(s)	
09/651,658 filed 8/29/	2000			
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Name and address of party to concerning document should		6. Total Number of	f applications and patents involved: ONE	
Name: Alan H. Thompson		7. Total fee	\$ 40.00	
Address: Lawrence Livermore	Nat. Laboratory	Enclosed		
Patent Group, L-703		■ Authorized	charge deposit account	
Box 808, L-703		8. Deposit Ad	count number:	
Livermore, CA 94551		12-0	695	
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Nancy J. Stone Vaucy Stone Way 1, 2001				
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2. Eric C. Honea		Tr	ne Re	gents o	of the Universi	ty of Cal	ifornia	
3. Stephan A. Payne 4. Ian Mercer		11	11 Fr	anklin	Street			
5. Michael D. Perry		Oa	akland	d, CA	94612-3550			
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Attorney Docket No.: IL-1057	' 1							
3. Nature of conveyance:								
■ Assignment		Execu	ution [Date:	Novemb	4 20	2 mar	¬
4. Application number(s) or p	atent numb	per(s):	!L-10	571	<u> </u>	1	~~~	
If this document is being filed to	gether with a	new	<u> </u>					
application, the execution date	of the applica	tion is:						
A. Patent Application No.(s)					B. Patent	No.(s)		
09/651,658 filed 8/29/2	2000							
								
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Name: Alan H. Thompson			7. T	otal fe	9	\$	40.0	0
Address: Lawrence Livermore	Nat. Labor	ratory	-	Enclos	sed			
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7000 East Avenue			8.	Depos	sit Account nu	mber:		
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ASSIGNMENT

LLNL Case No.: <u>IL-10571</u>				
For good and valuable consideration the receipt of w	rhich is hereby acknowledged ASSIGNOR(s)			
1. Raymond J. Beach 2.	Eric C. Honea			
3. Stephen A. Payne 4.	lan Mercer			
5. Michael D. Perry 6.	N/A			
hereby sells, assigns and transfers to ASSIGNEE, the Regents of the University of California, a California Corporation, having its statewide administrative offices located at 1111 Franklin Street, Oakland, California 94607-5200, and the successors, assigns and legal representative of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:				
TAPERED LASER RODS AS A MEANS OF MINIMI MODE RAYS	ZING THE PATH LENGTH OF TRAPPED BARREL			
and which is found in				
 U.S. patent application executed on listing the above named persons as invento 				
U.S. patent application serial no09/651,	658, filed on August 29,2000			
U. S. patent no, issued				
and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;				
ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;				
ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filling date and serial number of said application when officially known.				
AND the <u>ASSIGNOR(S)</u> requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, the Regents of the University of California.				
executed this	Signature of Inventor(s)			
1-Sept - 00	Raymond J. Beach			
executed this	Signature of Inventor(s)			
 Date	Are Next page (p2) Eric C. Honea			

Page 1 Of 5

PATENT REEL: 011767 FRAME: 0611

ASSIGNMENT

LLNL Cas	e No.: <u>IL-10571</u>		
For good a	and valuable consideration the receipt o	f w	hich is hereby acknowledged ASSIGNOR(s)
1. Raym	ond J. Beach	2.	Eric C. Honea
3. Steph	en A. Payne	4.	lan Mercer
5. Micha	el D. Perry	6.	N/A
California Oakland, ASSIGNE foreign cor	Corporation, having its statewide ac California 94607-5200, and the su E all of its right, title and interest for the untries in and to, any and all improvement	Imir cce: • Ur •nts	E, the Regents of the University of California, a nistrative offices located at 1111 Franklin Street, ssors, assigns and legal representative of the nited States and its territorial possessions and in all which are disclosed in the invention entitled: ZING THE PATH LENGTH OF TRAPPED BARREL
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	patent application executed on sting the above named persons as inve		
U.S.	patent application serial no.		, filed on
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Patent to be extension under all be	be obtained for said invention by the about or substitute thereof, and any reissue, international Conventions for the Protections.	ree tion	including the right to claim priority and, in and to, all Letters application or any continuation, division, continuation-in-part, examination or extension of said Letters Patent and all rights of Industrial Property; t, sale, agreement or encumbrance has been or will be made
	into which would conflict with this assignment of the conflict with the interest of the conflict with		
facts and and acces thereto ar instrument and said purposes	documents relating to said invention a sible to ASSIGNOR and will testify as it will promptly execute and deliver its or affidavits required to apply for, ot Letters Patent and said equivalents thereof. An attorney of record is author	nd : to the to A otain here tized	vill, upon its request, be provided promptly with all pertinent said Letters Patent and legal equivalents as may be known he same in any interference, litigation, or proceeding relating ASSIGNEE or its legal representative any and all papers, in, maintain, issue or enforce said application, said invention eof which may be necessary or desirable to carry out the d and requested by the execution of this assignment to insert of said application when officially known.
	I States and any reissue or extension		r of Patents and Trademarks to issue said Letters Patent of ereof to the ASSIGNEE, the Regents of the University of
executed t	his		Signature of Inventor(s)
	Date		Raymond J. Beach
executed t	his		Signature of Inventor(s)
9/16	100		En (H
[Date		Eric C. Honea Page 2 0f 5

PATENT REEL: 011767 FRAME: 0612

executed this	Signature of Inventor(s)
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Date	Stephen A. Payne
executed this	Signature of Inventor(s)
	Dee heut Dage (pH)
Date	lan Mercer
executed this	Signature of Inventor(s)
	Del pier 5
Date	Michael D. Perry

executed this	Signature of Inventor(s)
Date	Stephen A. Payne
executed this 20/11/00 Date	Signature of Inventor(s) Ian Mercer
executed this	Signature of Inventor(s) All healt Dage (b5)
Date	Michael D. Perry

executed this	Signature of Inventor(s)
Date	Stephen A. Payne
executed this	Signature of Inventor(s)
Date	Ian Mercer
executed this	Signature of Inventor(s)
11 5611 2000 Date	Michael D. Perry
Dato	William S. Tany

Page 5 Of 5