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FORM PTO-1595	ET U.S. DEPARTMENT OF COMMERCE
CALT-2973	Patent and Trademark Office
To the Honorable Commissioner of Patent. 101268	3102 and original documents or copy thereof.
Name of conveying party(ies):	2. Name and address of receiving party(ies):
Lee J. Burrows	
	Name California Institute of Technology
_	Internal Address
Additional name(s) of conveying parties attached? Yes No	
3. Nature of conveyance:	
Assignment Merger	Street Address 1200 East California Blvd.
☐ Security Agreement ☐ Change of Name	
Other	City Pasadena State CA Zip 91125
Execution Date November 8, 1999	Additional name(s) & address(es) attached? ☐ Yes No
Application number(s) or patent number(s):	·
If this document is being filed together with a new application, the A. Patent Application No. (s)	ne execution date of the application is B. Patent No. (s)
09/419,347	5. Tatolik (16. (6)
Additional numbers att	tached? ⊡Yes XX No
Additional numbers at	derica: 15 tes prive
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved
Name <u>D'Alessandro & Ritchie</u>	7. Total fee (37 CFR §3.41) \$ <u>40.00</u>
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9. Statement and signature To the best of my knowledge and belief, the foregoing informati	ion is true and correct and any attached copy is a true copy of the
original document.	
Tara Hayden ar	November 22, 1999
Name of Person Signing	Signature Date
Total number of pages includin	g cover sheet, attachments and document 2
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Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments, Washington, DC 20231

ASSIGNMENT

WHEREAS, I, Lee J. Burrows, a citizen of the United States of America, residing at 4106 - 25th Street, #4, San Francisco, California 94114, have invented a "Ion Exchange Waveguides and Methods of Fabrication" for which I have executed application papers for a U.S. patent thereon which was filed on October 15, 1999, serial no. 09/419,347; and

WHEREAS, California Institute of Technology, a California Non-profit corporation, having a place of business 1200 East California Boulevard, Pasadena, California 91125, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, I, Lee J. Burrows, do sell, assign, transfer and set over unto the said California Institute of Technology, its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all Letters Patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and I Lee J. Burrows, hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said California Institute of Technology, its successors and assigns, in accordance with this Assignment.

rechnology, its successors and ass			
WITNESS MY HAND at, 1999.	P.4540EN4	, California, this _ 号 ^r day of	
Lee J. Burrows			
STATE OF CALIFORNIA)) ss.		
COUNTY OF			
appeared Lee J. Burrows, persona to be the person/s whose name is/he/she/they executed the same in	lly known to me (or proved are subscribed to the with his/her/their authorized c	99, before me, a Notary Public, personally of to me on the basis of satisfactory evidence hin instrument and acknowledged to me that apacities, and that by his/her/their signatur which the person/s acted, executed the	ιt
WITNESS my hand	d and official seal.		
	NC	OTARY PUBLIC	

PATENT REEL: 010545 FRAME: 0270