L. W. TO. FOR	05-05-2000 U.S. DEPARTMENT OF COMMERCE			
1-31-92 4-17-00	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			
4-17-00	PATENT AND TRADEMARK OFFICE			
To the honorable commissioner of Patents and Trademarks; I	101346659 2. Name and address units			
Name of conveying party(ies):	University of Cincinnati			
Howard E. Jackson and Din Ping Tsai	Internal Address:			
Additional name(s) of conveying parties attached? Yes No	mornary (darood).			
3. Nature of Conveyance: X Assignment	Street Address: Wherry Hall, Room G7 Mail Location 0829 ————————————————————————————————————			
Name	City: Cincinnati State: OH ZIP: 45267			
L_I Other:	Additional name(s) & address(es) attached? Yes No			
Execution Date: <u>Howard E. Jackson: March</u> 8, 2000 & April 5, 2000; Din Ping Tsai: February 16, 2000	Activities (a) described as a second			
4. Application number(s) or patent number(s): If this document is being file together with a new application, the execution date of the application is:				
A. Patent Application No.(s) 09/454,281	B. Patent No.(s)			
Α	Additional numbers attached? ☐ Yes 🔀 No			
Names and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved:			
Name: <u>Scott N. Barker</u>				
Internal Address:	7. Total fee (37 CFR 3.41) \$_40.00			
Dinsmore & Shohl LLP	X Enclosed			
	Enclosed			
Street Address: 1900 Chemed Center	Authorization to be charged to deposit account			
255 East Fifth Street	Deposit Account Number:			
City: <u>Cincinnati</u> State: <u>Ohio</u> ZIP: <u>45202</u>	04-1133 (Attach duplicate copy of this page if paying by deposit account)			
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9 Statement and signature. To the best of my knowledge and belief, to true copy of the original document.	the foregoing information is true and correct and any attached copy is a			
Scott N. Barker, Reg. No. 42,292 Name of Person Signing, Registration Number	Juin 13/00 Signature 4/13/00			
	Total Number of pages including cover sheet:			
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Docket No. 10738-24

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I hereby certify that this paper is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Box Assignment,

Assistant Commissioner of Patents, Washington, DC 20231

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PATENT

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ASSIGNMENT

WHEREAS, WE, **Howard E. Jackson**, a citizen of the United States, residing at 555 Howell Avenue, Cincinnati, Ohio 45220-4905, and **Din Ping Tsai**, a citizen of Taiwan, residing at 7F-2, 21, Chien Kuo Rd., West District, Taichung, Taiwan 403 (hereinafter referred to as "ASSIGNORS"), have invented a **Method and System for Local Index Measurement in Optical Materials**, for which we have executed an application for Letters Patent of the United States, on December 3, 1999 which was assigned Serial No. 09/454,281; and

WHEREAS, **University of Cincinnati**, a nonprofit organization existing under the laws of the State of Ohio, (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire interest therein:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, said ASSIGNORS, hereby sell, assign, and transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under said invention, and said United States application and all divisions, renewals, and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues, reexaminations and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals, reexaminations and reissues thereof:

ASSIGNORS HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

Assignment	
Howard E. Jackson and Din Ping Tsai to University of Cincinnati	
Page 2	

ASSIGNORS HEREBY grant the firm of DINSMORE & SHOHL LLP the power to insert in this Assignment any further identification or information which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

ASSIGNORS HEREBY covenant and agree that they have full right to convey the entire interest herein assigned, and that they have not executed, and will not execute, any agreement in conflict herewith.

ASSIGNORS HEREBY further covenant and agree that they will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to them respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, reexamination and foreign applications, make all rightful oaths, and generally do everything possible to aid said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

Dated: March 8, 2000	Howard E. Jackson	
STATE OF OHIO))	
COUNTY OF HAMILTON) ss:)	
Sworn to and subscribed before a	me this day of December, 1999x,	2000
	Natour Dublic	
	Notary Public	

Howard E. Jackson and Din Ping Tsai to University of Cincinnati Page 3		
Dated: $Fek = Ib$, $abco$	<u>Vin Ping</u> Jeni Din Ping Tsai	
WITNESS:	WITNESS:	
Signature Shu Chi Huay Printed Name SHU CHIN HUANT	Signature Li Chu Wang Printed Name Li Chu Wang Date: Feb. 16 2000	

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ASSIGNMENT

WHEREAS, WE, **Howard E. Jackson**, a citizen of the United States, residing at 555 Howell Avenue, Cincinnati, Ohio 45220-4905, and **Din Ping Tsai**, a citizen of Taiwan, residing at 7F-2, 21, Chien Kuo Rd., West District, Taichung, Taiwan 403 (hereinafter referred to as "ASSIGNORS"), have invented a **Method and System for Local Index Measurement in Optical Materials**, for which we have executed an application for Letters Patent of the United States, on December 3, 1999 which was assigned Serial No. 09/454,281; and

WHEREAS, **University of Cincinnati,** a nonprofit organization existing under the laws of the State of Ohio, (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the entire interest therein:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, said ASSIGNORS, hereby sell, assign, and transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under said invention, and said United States application and all divisions, renewals, and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues, reexaminations and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals, reexaminations and reissues thereof:

ASSIGNORS HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

Assignment Howard E. Jackson and Din Ping Tsai to University of Cincinnati Page 2			
insert in this Assignment any further identified	rm of DINSMORE & SHOHL LLP the power to ication or information which may be necessary or the United States Patent and Trademark Office for		
	d agree that they have full right to convey the entire of executed, and will not execute, any agreement in		
ASSIGNEE, its successors, legal representative said invention, and testify in any legal proceed continuing, reissue, reexamination and foreign	enant and agree that they will communicate to said wes and assigns, any facts known to them respecting using, sign all lawful papers, execute all divisional, applications, make all rightful oaths, and generally E, its successors, legal representatives and assigns, and invention in all countries.		
Dated: 4p15, 2000	Howard E. Jackson		
STATE OF OHIO)			

COUNTY OF HAMILTON

Sworn to and subscribed before me this ____ day of December 1999x

Notary Public

MELISSA C. WILLIAMS Notary Public, State of Ohio My Commission Expires Oct. 4, 2001

Assignment Howard E. Jackson and Din Ping Tsai to Universit Page 3	y of Cincinnati
Dated:	Din Ping Land Din Ping Tsai
WITNESS:	WITNESS:
Signature Slu Chin Huang Printed Name SHU CHIN HUANG Date: Feb 16, 2000	Signature Li Chu Wang Printed Name Li Chu Wang Date: Feb 16, >000

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RECORDED: 04/17/2000