	OMB No. 0651-0027 (exp. 6/30/2005)	United States Patent and Trademark Office	
	103042511		
シ	To the Director of the U.S. Patent and Trademark Office: Please		
いい	1. Name of conveying party(ies)/Execution Date(s):	2. Name and address of receiving party(ies)	
$\dot{\boldsymbol{r}}$	Ho P. Ho (06/27/2005), Chi L. Wong (06/29/2005),	Name: The Chinese University of Hong Kong	
<u> </u>	Shu Y. Wu (06/29/2005), Wing C. Law (06/29/2005),	Internal Address:	
λ,	Execution Date(s): in parentheses after inventor name	Street Address:	
	Additional name(s) of conveying party(ies) attached? X Yes No		
	3. Nature of Conveyance:	Shatin, N.T.,	
	X Assignment		
	Security Agreement Change of Name	City: Hong Kong	
	Government Interest Assignment		
		State:	
	Executive Order 9424, Confirmatory License	People's Republic of Country: China Zip:	
	Cother	Additional name(s) & address(es) Yes X No	
		attached:	
	4. Application or patent number(s):	This document is being filed together with a new application.	
	A. Patent Application No.(s)	B. Patent No.(s)	
	الدحاجة مسمط مسريس المصحة فالمرام ٨		
	Additional numbers attached	? Yes X No	
	5. Name and address to whom correspondence	6. Total number of applications and	
	5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and	
	5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and	
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul F. Fehlner, Ph.D.	6. Total number of applications and 1	
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul F. Fehlner, Ph.D. DARBY & DARBY P.C.	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00	
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul F. Fehlner, Ph.D. DARBY & DARBY P.C. Internal Address: Atty. Dkt.: 20516/0203051-US0	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card	
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul F. Fehlner, Ph.D. DARBY & DARBY P.C. Internal Address: Atty. Dkt.: 20516/0203051-US0	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account	
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul F. Fehlner, Ph.D. DARBY & DARBY P.C. Internal Address: Atty. Dkt.: 20516/0203051-US0 Street Address: P.O. Box 5257	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account X Enclosed None required (government interest not affecting title)	
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul F. Fehlner, Ph.D. DARBY & DARBY P.C. Internal Address: Atty. Dkt.: 20516/0203051-US0 Street Address: P.O. Box 5257 City: New York	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged by credit card Authorized to be charged to deposit account X Enclosed None required (government interest not affecting title) 8. Payment Information	
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul F. Fehlner, Ph.D. DARBY & DARBY P.C. Internal Address: Atty. Dkt.: 20516/0203051-US0 Street Address: P.O. Box 5257 City: New York State: NY Zip: 10150-5257	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged by credit card Authorized to be charged to deposit account X Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card	
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul F. Fehlner, Ph.D. DARBY & DARBY P.C. Internal Address: Atty. Dkt.: 20516/0203051-USO Street Address: P.O. Box 5257 City: New York State: NY Zip: 10150-5257 Phone Number: (212) 527-7665	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account X Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date	
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul F. Fehlner, Ph.D. DARBY & DARBY P.C. Internal Address: Atty. Dkt.: 20516/0203051-US0 Street Address: P.O. Box 5257 City: New York State: NY zip: 10150-5257 Phone Number: (212) 527-7665	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged by credit card Authorized to be charged to deposit account X Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card	
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul F. Fehlner, Ph.D. DARBY & DARBY P.C. Internal Address: Atty. Dkt.: 20516/0203051-US0 Street Address: P.O. Box 5257 City:	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account X Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number	
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul F. Fehlner, Ph.D. DARBY & DARBY P.C. Internal Address: Atty. Dkt.: 20516/0203051-US0 Street Address: P.O. Box 5257 City: New York State: NY zip: 10150-5257 Phone Number: (212) 527-7665 Fax Number: (212) 753-6237 Email Address: pfenIner@darbylaw.com 9. Signature: MUMMUCA	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$	
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul F. Fehlner, Ph.D. DARBY & DARBY P.C. Internal Address: Atty. Dkt.: 20516/0203051-US0 Street Address: P.O. Box 5257 City: New York State: NY Zip: 10150-5257 Phone Number: (212) 527-7665 Fax Number: (212) 753-6237 Email Address: ptenInter@darbylaw.com 9. Signature: MULLAL	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account X Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number	
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul F. Fehlner, Ph.D. DARBY & DARBY P.C. Internal Address: Atty. Dkt.: 20516/0203051-US0 Street Address: P.O. Box 5257 City: New York State: NY Zip: 10150-5257 Phone Number: (212) 527-7665 Fax Number: (212) 753-6237 Email Address: ptenIner@darbylaw.com 9. Signature: MARLEE Veffrey C. Pepe - 46,985	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged by credit card Authorized to be charged to deposit account X Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number Authorized User Name July 5, 2005 Date Total number of pages including cover	
	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul F. Fehlner, Ph.D. DARBY & DARBY P.C. Internal Address: Atty. Dkt.: 20516/0203051-US0 Street Address: P.O. Box 5257 City: New York State: NY Zip: 10150-5257 Phone Number: (212) 527-7665 Fax Number: (212) 753-6237 Email Address: ptenIner@darbylaw.com 9. Signature: MARLie Signature Signature	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$	
CivigUye	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul F. Fehlner, Ph.D. DARBY & DARBY P.C. Internal Address: Atty. Dkt.: 20516/0203051-US0 Street Address: P.O. Box 5257 City: New York State: NY Zip: 10150-5257 Phone Number: (212) 527-7665 Fax Number: (212) 753-6237 Email Address: ptenIner@darbylaw.com 9. Signature: MARLEE Veffrey C. Pepe - 46,985	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged by credit card Authorized to be charged to deposit account X Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number Authorized User Name July 5, 2005 Date Total number of pages including cover	
CNGUYE	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul F. Fehlner, Ph.D. DARBY & DARBY P.C. Internal Address: Atty. Dkt.: 20516/0203051-US0 Street Address: P.O. Box 5257 City: New York State: NY Zip: 10150-5257 Phone Number: (212) 527-7665 Fax Number: (212) 753-6237 Email Address: ptehlner@darbylaw.com 9. Signature: MARLIE Veffrey C. Pepe - 46,985 Name of Person Signing	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged by credit card Authorized to be charged to deposit account X Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number Authorized User Name July 5, 2005 Date Total number of pages including cover	
CNGUYE	5. Name and address to whom correspondence concerning document should be mailed: Name: Paul F. Fehlner, Ph.D. DARBY & DARBY P.C. Internal Address: Atty. Dkt.: 20516/0203051-US0 Street Address: P.O. Box 5257 City: New York State: NY Zip: 10150-5257 Phone Number: (212) 527-7665 Fax Number: (212) 753-6237 Email Address: pfehlner@darbylaw.com 9. Signature: Imaktice Veffrey C. Pepe - 46,985 Name of Person Signing	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged by credit card Authorized to be charged to deposit account X Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number Authorized User Name July 5, 2005 Date Total number of pages including cover	

PATENT REEL: 016772 FRAME: 0201

Form PTO-1595		DRM COVER SHEET inued)			
Additional Conveying P	arty(ies)/Execution Da	ate(s) (1. Continued):			
Chinlon Lin (06/29/2005), a	nd Sui K. Kong (06/28/200	5)			
Additional Assignees (2	2. Continued):				
Assignee Name:			-		
Internal Address:					
Street Address:					
City:	_ State:	Country:	_ Zip:		
Assignee Name:			_		
Internal Address:					
Street Address:					
City:	State:	Country:	_ Zip:		
Assignee Name:					
Internal Address:					
Street Address:					
City:	State:	Country:	_ Zip:		
Additional Applications and/or Patents (4. Continued):					
Additional Patent Application Numl 4A. Continued:	pers	Additional Patent Numbers 4B. Continued:			
			}		
	Additional numbers attached?	Yes No			

. . .

{W:\20516\0203051us0\00467257.DOC |■₩■₩₩₽₩₩₩₩₩₩₩₩₽}₹₩o.: 20516/0203051-US0

PATENT REEL: 016772 FRAME: 0202

Attorney Docket No.: 20516/0203051-US0

ASSIGNMENT

I, Ho Pui HO, a citizen of <u>British</u> , residing at	
Flat 1A, 15 Dianthus Road, Yau Yat Chuen, Kowloon, Hong Kong	; and
I, Chi Lok WONG, a citizen of <u>China</u> , residing at	
Flat 2011, Yan King House, King Sing Court, Fanling, Hong Kong	; and
I, Shu Yuen WU, a citizen of <u>China</u> , residing at	
Rm. 2032, Wah Sang House, Wah Fu Estate, Hong Kong	; and
I, Wing Cheung LAW, a citizen of <u>China</u> , residing	at
I, Wing Cheung LAW, a citizen of <u>China</u> , residing Rm. 1502, Kwai Yan House, Kwai Fong Est., N.T., Hong Kong	
Rm. 1502, Kwai Yan House, Kwai Fong Est., N.T., Hong Kong	_; and
Rm. 1502, Kwai Yan House, Kwai Fong Est., N.T., Hong Kong I, Chinlon LIN, a citizen of USA , residing at	_; and
Rm. 1502, Kwai Yan House, Kwai Fong Est., N.T., Hong Kong I, Chinlon LIN, a citizen of USA , residing at	_; and

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

The Chinese University of Hong Kong

a University organized under the laws of People's Republic of China, located at Shatin, N.T., Hong Kong, PEOPLE'S REPUBLIC OF CHINA (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, in and for the United States of America only in and to my Invention entitled:

Optical Sensing Devices with SPR Sensors Based on Differential Phase Interrogation and Measuring Method using the Same

1

20516/0203051-US0

PATENT REEL: 016772 FRAME: 0203 invented by me and described in the specification bearing the above Attorney Docket No. and title executed by me concurrently herewith; and all patents, divisions, reissues, continuations and any extensions thereof and rights of priority therein, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not be made;

-⁻⁻⁻⁻т

And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

And I hereby authorize and request the Commissioner of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.

20516/0203051-US0

2

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

Dated:	27 June 05
Dated:	<u>29 June 05.</u>
Dated:	29 June 05
Dated:	29 June Or
Dated:	29 June 05
Dated:	28 June 2005

Ho Pui HO, Inventor Chi Lok WONG, Inventor

<u>Shu Yuen WU, Inventor</u>

Wing Cheung LA W, Inventor 0 Chinlon LIN, Invento

Sui Kai KONG, Inventor

20516/0203051-US0

PATENT REEL: 016772 FRAME: 0205

RECORDED: 07/08/2005

3