01-23-2001

## FORM PTO-1619A

Expires 06/30/99 OMB 0651-0027

101591115

]

Department of Commerce and Trademark Office

PATENT

	_	1.	4
<b>/</b> ·	5.	U	/

## RECORDATION FORM COVER SHEET PATENTS ONLY

To: The Commis	sioner of Patents and Tradema	PATENTS ONL  arks: Please record the		document(s) or con-	v(ios)
Submission T		Conveyan Assignm	ce Type	Security Agreemen	
Document II		License  Merger		Change of Name	
Reel # Corrective I	of PTO Error Frame #	(For t	U.S. Govern Use ONLY by U.S	nment S. Government Agen	icies)
Reel #	Frame #	]   🔲 1	Departmental File	Secret Fi	le
Conveying Pa	arty(ies) nhui Zhai	Mark if	additional names	Mont	es attached ution Date h Day Year
Second Party  Name (line 1)	uviah E. Schlesinger			Mont	ation Date h Day Year
Name (line 2)					
Receiving Par Name (line 1)	rty Carnegie Mellon Unive			of receiving parties If document to be re is an assignment an receiving party is no	ecorded d the ot
Address (line 1)	5000 Forbes Avenue			domiciled in the Un States, an appointm of a domestic	
Address (line 2)				representative is att (Designation must b	
Address (line 3)		PA tate/Country	15212	separate document Assignment.)	

01/19/2001 DNGUYEN 00000068 09671441 01 FC:581 40.00 0

	FOR OFFICE USE ONLY.			
FORM PTC Expires 06/	730/99 Patent and Trademark Office			
OMB 0651	-0027 Page 2 PATENT epresentative Name and Address			
Domestic Re	Enter for the first Receiving Party only.			
Name				
Address (line 1)				
Address (line 2)				
Address (line 3)				
Address (line 4)				
Correspond	ent Name and Address			
	Area Code and Telephone Number (412) 355-6342			
Name	Mark G. Knedeisen, Esquire			
Address (line 1)	Kirkpatrick & Lockhart LLP			
Address (line 2)	Henry W. Oliver Building			
Address (line 3)	535 Smithfield Street			
Address (line 4)	Pittsburgh, PA 15222-2312			
Pages	Enter the total number of pages of the attached conveyance document including any attachments.			
Application	Number(s) or Patent Number(s) Mark if additional numbers attached			
Enter either th	e Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).			
Patent	Application Number(s) Patent Number(s)			
09/671,441				
	is being filed together with a <u>new Patent Application</u> , enter the date the patent application was tnamed executing inventor.  Month Day Year			
_	peration Treaty (PCT) PCT PCT PCT			
only if	PCT application number  a U.S. Application Number  b been assigned. PCT PCT PCT			
Number of	Properties  Enter the total number of properties involved. # 1			

FORM PTO-1	l619C	RECORDATION FORM	COVER SHEET	U.S. Department of Commerce
Expires 06/30	/99	CONTINUATION		Patent and Trademark Office
OMB 0651-00	)27	PATENTS ONL	<u>Y</u>	PATENT
Conveying Par Enter additional Co		Ma	irk if additional nan	nes of conveying parties attached Execution Date Month Day Year
Name (line 1) Da	niel D. Stancil			12/18/2000
Name (line 2)				
Name (line 1)				Execution Date Month Day Year
Name (line 2)				
Traine (inte 2)			·	Execution Date
Name (line 1)				Month Day Year
Name (line 2)				
L				
Receiving Par Enter additional Re		Ma	rk if additional nam	es of receiving parties attached
Name (line 1)				If document to be recorded is an assignment and the
Name (line 2)				receiving party is not domiciled in the United
Address (line 1)				States, an appointment of a domestic
Address (line 2)				representative is attached. (Designation must be a
Address (line 3)				separate document from Assignment.)
	City	State/Country	Zip Code	If do summer to be useded
Name (line 1)				If document to be recorded is an assignment and the
Name (line 2)				receiving party is not domiciled in the United
Address (line 1)				States, an appointment of a domestic
Address (line 2)				representative is attached. (Designation must be a
Address (line 3)				separate document from Assignment.)
	City	State/Country	Zip Code	
Application N	lumber(s) or I	Patent Number(s)	Mark	if additional numbers attached
Enter either the F	Patent Application Nu	mber or the Patent Number (DO !	NOT ENTER BOTH n	umbers for the same property).
Patent A	pplication Number	r(s)	P	atent Number(s)

Fee Amount	Fee Amount for Properties Listed (37 CFR 3.41): \$	40.00
Method of Payment:	Enclosed Deposit Account	
Deposit Account		
(Enter for payment by d	deposit account or if additional fees can be charged to the acc	count.)
	Deposit Account Number: #	11-1110
	Authorization to charge additional fees:	Yes No
Statement and Signatur	·e	
	and belief, the foregoing information is true and correc ment. Charges to deposit account are authorized, as in	
Mark G. Knedeisen	Mark Kneeling	1/4/01
Name of Person Sign	ning Signature	Date

Attorney's Docket No	00191	PATENT	
		For: ☐ U.S. and/or ☐ Foreign R For: ☐ U.S. Application or ☐ U.S. Provisional Application For: ☐ U.S. Patent For: ☐ PCT Application By: Multiple Inventors	
A	SSIGNMENT OF INVI	ENTION (MULTIPLE INVENTORS)	
In consideration of the receipt of which is hereby	ne payment by ASSIGN y acknowledged, and fo	NEE to ASSIGNOR of the sum of Or or other good and valuable consider	ne Dollar (\$1.00), the ation,
ASSIGNORS (Inventors)	x		
Jinhui Zhai		3500 Hillridge Dr. #608 Plano, Texas 75074	People's Rep. Of China
(type or print nan	me of inventors)	Address	Nationality
		8 Carleton Drive	
Tuviah E. Schlesinger		Mt. Lebanon, PA 15243	USA
Daniel D. Stancil		125 Westminster Drive Mars, PA 16046	USA
<u> </u>			

ASSIGNEE:	
Carnegie Mellon University (type or print name of ASSIGNEE)	5000 Forbes Avenue Address
(a non-profit Pennsylvania organization) Nationality	Pittsburgh, PA 15222-2312
and the successors, assigns and legal representatives o	f the ASSIGNEE
(complete one of the	he following)
★ the entire right, title and interest	
and its territorial possessions	%) interest for the United States
(check the following box, if foreign r	ights are also to be assigned)
and in all foreign countries, including all improvements which are disclosed in the invention entitle MEASURING THE SIZE OF A FOCUSED OPTICAL SP	
(check and complete (a), (b)	, (c), (d), (e), (f) or (g))
and which is found in	
(a) U.S. patent application executed on even da	ate herewith
(b) U.S. patent application executed on	
(c) U.S. provisional application naming the above	ve inventor(s) for the above-entitled invention
Express mail label no.:	
Mailed:	
	f this assignment, I, an ASSIGNOR signing below, y to insert below the filing date and application
(d) X U.S. application no.: 09/671,441 file	d on <u>September 27, 2000</u>
(e) International application no. PCT /filed on	1
(f) U.S. patent no.	issued
<ul> <li>A change of address to which co maintenance fees is being sent separat</li> </ul>	rrespondence is to be sent regarding patent ely.

(also check (g), if foreign application(s) is also being assigned)

hereby sells, assigns and transfers to

and to, all Letters Patent to be obtained	gn country, including the right to claim priority and, in for said invention by the above application or any te thereof, and as to letters patent any reissue or re-
ASSIGNOR hereby covenants that no assignment be made or entered into which would conflict with this	s, sale, agreement or encumbrance has been or will assignment;
ASSIGNOR further covenants that ASSIGNEE will pertinent facts and documents relating to said inventio may be known and accessible to ASSIGNOR and will or proceeding related thereto and will promptly execute representatives any and all papers, instruments or afficient and enforce said application, said invention and said L may be necessary or desirable to carry out the purpos IN WITNESS WHEREOF, We have hereunto set	n and said Letters Patent and legal equivalents as testify as to the same in any interference, litigation e and deliver to ASSIGNEE or its legal davits required to apply for, obtain, maintain, issue etters Patent and said equivalents thereof which es thereof.
WARNING: The date of signing must be the same as the date of	
Political Theory	mku Dkori
<u>Jinhui Zhai</u> (type name of Inventor)	Signature of INVENTOR
Tuviah E. Schlesinger	
Daniel D. Stancil	
□ Notesinetics called	relization Page Added
LI Notarization of Leg	galization Page Added.
NOTE: No witnessing, notarization or legalization is necessary. prima facie evidence of execution. 35 USC 261. Use no	If the assignment is notarized or legalized, then it will only be ext page if notarization is desired.

PI - 578356.1

PATENT REEL: 011438 FRAME: 0469

Attorney's Docket No. <u>00191</u>	PATENT
	For:  ☐ U.S. and/or ☐ Foreign Rights  For: ☐ U.S. Application or ☐ U.S. Provisional Application  For: ☐ U.S. Patent  For: ☐ PCT Application  By: Multiple Inventors
	zy. manpie inveniere
ASSIGNMENT OF IN	NVENTION (MULTIPLE INVENTORS)
In consideration of the payment by ASSI receipt of which is hereby acknowledged, an	GNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the d for other good and valuable consideration,
ASSIGNORS (Inventors):	
Jinhui Zhai (type or print name of inventors)	3500 Hillridge Dr. #608  Plano, Texas 75074 People's Rep. Of China  Address Nationality
(type of print hame of inventors)	•
Tuviah E. Schlesinger	8 Carleton Drive  Mt. Lebanon, PA 15243 USA
Daniel D. Stancil	125 Westminster Drive Mars, PA 16046 USA

ASSIGNEE:
Carnegie Mellon University (type or print name of ASSIGNEE)  5000 Forbes Avenue Address
(a non-profit Pennsylvania organization) Pittsburgh, PA 15222-2312  Nationality
and the successors, assigns and legal representatives of the ASSIGNEE
(complete one of the following)
★ the entire right, title and interest
an undivided percent (%) interest for the United States and its territorial possessions
(check the following box, if foreign rights are also to be assigned)
and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled SYSTEM AND METHOD FOR MEASURING THE SIZE OF A FOCUSED OPTICAL SPOT
(check and complete (a), (b), (c), (d), (e), (f) or (g))
and which is found in
(a) U.S. patent application executed on even date herewith
(b) U.S. patent application executed on
(c) U.S. provisional application naming the above inventor(s) for the above-entitled invention
Express mail label no.:
Mailed:
To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known.
(d) X U.S. application no.: 09/671,441 filed on September 27, 2000
(e) International application no. PCT //
(f) U.S. patent noissued
A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.
(also check (g), if foreign application(s) is also being assigned)

PI - 578356.1

hereby sells, assigns and transfers to

PATENT REEL: 011438 FRAME: 0471

(g) 🔯	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, renewal, or substitute thereof, and as to letters patent any reissue or re-
	examination thereof.

ASSIGNOR 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 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 related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and 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.

IN WITNESS WHEREOF, We have hereunto set hand and seal this _	18	Dec	2000
THE VERTICAL STATE OF THE CONTROL OF THE THE CONTROL OF THE CONTRO			Date of signing
WARNING: The date of signing must be the same as the date of execution of the applicat	tion, if item	ı (a) was c	hecked above.
Jinhui Zhai			
(type name of Inventor)  Signature of INVE  Tuviah E. Schlesinger	(N) (N)	-	,
Tuviah E. Schlesinger / C SCA	Kesi	3	
Daniel D. Stancil	$\sum_{i}$		
			· · · · ·
☐ Notarization or Legalization Page Adde	ed.		
NOTE: No witnessing, notarization or legalization is necessary. If the assignment is not prima facie evidence of execution. 35 USC 261. Use next page if notarization is	arized or le desired.	egalized, th	nen it will only be

PI - 578356.1

PATENT REEL: 011438 FRAME: 0472

RECORDED: 01/05/2001