Form PTO-1595 (Rev. (06/04) U2 - (OMB No. 0651-0027 (exp. 6/30/2005)	04 - 2005 U.S. DEPARTMENT OF COMME United States Patent and Trademark C
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Nels P. Ostrom	Internal Address: 352 Henry Administration Building
Execution Date(s) January 24, 2005 Additional name(s) of conveying party(ies) attached? X Yes	Street Address: 506 South Wright Street
3. Nature of conveyance:	
X Assignment Merger	City: Urbana
Security Agreement Change of Na	ame State: IL
Government Interest Assignment	Country: Zip: 61801
Executive Order 9424, Confirmatory License	Country: Zip: 61801
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4. Application or patent number(s):	This document is being filed together with a new application
2005 HNGUYEN1 00000011 11042228	B. Patent No.(s)
2005 NNGUYEN1 00000011 11042228 8021	B. Patent No.(s) The second stacked? Yes X No Ce 6. Total number of applications and patents
2005 NNGUYEN1 00000011 11042228 8021 Additional num 5. Name and address to whom correspondence concerning document should be mailed:	B. Patent No.(s)
2005 NNGUYEN1 00000011 11042228 8021 Additional num 5. Name and address to whom correspondence concerning document should be mailed:	B. Patent No.(s) The property of applications and patents involved: Total fee (37 CFR 1.21 (h) & 3.41) \$ 40.00
Additional num Name: John L. Conway	B. Patent No.(s) The property attached? Yes XNo Ge 6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21 (h) & 3.41) \$ 40.00
Additional num Name and address to whom correspondence concerning document should be mailed: Name: John L. Conway	B. Patent No.(s) The property of applications and patents involved: The property of applications are property of applications and patents involved: The property of applications are property of applications and patents involved: The property of applications are property of applications
Additional num 5. Name and address to whom correspondence concerning document should be mailed: Name: John L. Conway Internal Address: BROMBERG & SUNSTEIN LLP	B. Patent No.(s) The property attached? Yes X No Ge 6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21 (h) & 3.41) \$ 40.00 Authorized to be charged by credit card
Additional num 5. Name and address to whom correspondence concerning document should be mailed: Name: John L. Conway Internal Address: BROMBERG & SUNSTEIN LLP	B. Patent No.(s) The property of applications and patents involved: The property of applications are property of applications and patents involved: The property of applications are property of applications and patents involved: The property of applications are property of applications
Additional num 5. Name and address to whom correspondence concerning document should be mailed: Name: John L. Conway Internal Address: BROMBERG & SUNSTEIN LLP Street Address: 125 Summer Street	B. Patent No.(s) Description
Additional num 5. Name and address to whom correspondence concerning document should be mailed: Name: John L. Conway Internal Address: BROMBERG & SUNSTEIN LLP Street Address: 125 Summer Street City: Boston	B. Patent No.(s) Description
2005 NNGUYEN1 00000011 11042228 8021 Additional num 5. Name and address to whom correspondence concerning document should be mailed: Name: John L. Conway Internal Address: BROMBERG & SUNSTEIN LLP Street Address: 125 Summer Street City: Boston State: MA Zip: 02110-161	B. Patent No.(s) Description
2005 NNGUYEN1 00000011 11042228 8021 Additional num 5. Name and address to whom correspondence concerning document should be mailed: Name: John L. Conway Internal Address: BROMBERG & SUNSTEIN LLP Street Address: 125 Summer Street City: Boston State: MA Zip: 02110-161 Phone Number: 617 443-9292	B. Patent No.(s) Description
2005 NNGUYEN1 00000011 11042228 8021 Additional num 5. Name and address to whom correspondence concerning document should be mailed: Name: John L. Conway Internal Address: BROMBERG & SUNSTEIN LLP Street Address: 125 Summer Street City: Boston State: MA Zip: 02110-161 Phone Number: 617 443-9292 Fax Number: (617) 443-0004	B. Patent No.(s) Description
Additional num 5. Name and address to whom correspondence concerning document should be mailed: Name: John L. Conway Internal Address: BROMBERG & SUNSTEIN LLP Street Address: 125 Summer Street City: Boston State: MA Zip: 02110-161 Phone Number: 617 443-9292 Fax Number: (617) 443-0004 Email Address: jconway@bromsun.com 9. Signature:	B. Patent No.(s) Description Percent Pe
Additional num 5. Name and address to whom correspondence concerning document should be mailed: Name: John L. Conway Internal Address: BROMBERG & SUNSTEIN LLP Street Address: 125 Summer Street City: Boston State: MA Zip: 02110-161 Phone Number: 617 443-9292 Fax Number: (617) 443-0004 Email Address: jconway@bromsun.com	B. Patent No.(s) Description Percent Pe

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
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PATENT

REEL: 016213 FRAME: 0792

PATENTS ONLY (Form PTO-1595)		
Name of conveying party(ies):		
Sung-Jin Park		
Additional name(s) of conveying party(ies) attached?	Yes X No	
Name and address of receiving party(ies) Name:		
Internal Address:		
Street Address:		
City: State:		
Name and address of receiving party(ies) Name: Internal Address:		
Street Address:		
City: State:		
Additional name(s) & address(es) attached?	Yes 🛂 No	
4. Application number(s) or patent number(s):		
If this document is being filed together with a new appli	ication, the execution date of the application is:	
A. Patent Application No.(s)	B. Patent No.(s)	
Additional numbers attached?	☐ Yes 🏋 No	

PATENT REEL: 016213 FRAME: 0793

ASSIGNMENT

ASSIGNOR:

J. Gary Eden

Kuo-Feng Chen Nels P. Ostrom Sung-Jin Park

ASSIGNEE:

The Board of Trustees of the University of Illinois

352 Henry Administration Building

506 South Wright Street

Urbana, IL 61801

INVENTION:

AC-Excited Microcavity Discharge Device and Method

ATTORNEY DOCKET:

2895/106

SERIAL NO:

not yet assigned

FILED:

herewith

Assignor is a joint inventor of a certain new and useful invention (the "Invention") described in a United States patent application (the "Application") bearing the above attorney docket number and having the above title. The Application has a Patent and Trademark Office filing date and serial number as indicated above, or if no filing date and serial number are shown, has a Declaration executed by Assignor contemporaneously with this Assignment.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States application (including divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

PATENT

REEL: 016213 FRAME: 0794

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date: <u>JAN. 24</u>, 2005 STATE OF Illinois COUNTY OF Changenger

On this 24 day of January 2005, before me, the undersigned notary public, personally appeared J. Gary Eden, proved to me through satisfactory evidence of identification, which consisted of divers change, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

Seal

OFFICIAL SEAL PAMELA D. DAVIS NOTARY PUBLIC, STATE OF ILLINOIS MY COMMISSION EXPIRES 9-27-2005

My commission expires: Lystinger 27, 3005

PATENT REEL: 016213 FRAME: 0795

Date: Jan 24 2005	Kuo-Feng Chen, Assignor
STATE OF Illinois)
COUNTY OF Chenyaisa	
On this 24 day of James 2005, before appeared Kuo-Feng Chen, proved to me throconsisted of draws from the transmitted of the state of t	e me, the undersigned notary public, personally ough satisfactory evidence of identification, which is be the person whose name is signed on the wledged to me that he/she signed it voluntarily for its
OFFICIAL SEAL PAMELA D. DAVIS NOTARY PUBLIC, STATE OF ILLINOIS MY COMMISSION EXPIRES 9-27-2005	Notary Public My commission expires: Systember 27, 2005
Date: 24 Jan 2005	Nels P. Ostrom, Assignor
STATE OF Illinais)
COUNTY OF Champaign)
On this 24 day of public, personally appeared Nels P. Ostrom, identification, which consisted of Aurus	proved to me through satisfactory evidence of, to be the person whose name is nt, and acknowledged to me that he/she signed it
OFFICIAL SEAL PAMELA D. DAVIS NOTARY PUBLIC, STATE OF ILLINOIS MY COMMISSION EXPIRES 0-27-2005	Notary Public My commission expires: System by 27, 3005

Date: _	Jan. 24. 2005	Sung-Jin Park, Assignor
STATE	OF Illinois)
COUNT	TY OF Champaign	
public, p	personally appeared Sung-Jin Par	of feneral 2005, before me, the undersigned notary k, proved to me through satisfactory evidence of
signed o	eation, which consisted of on the preceding or attached docu rily for its stated purpose.	ment, and acknowledged to me that he/she signed it
Seal	OFFICIAL SEAL PAMELA D. DAVIS	Notary Public
	NOTARY PUBLIC, STATE OF ILLINOIS	My commission expires: Sustantes 27, 2005

02895/00106 352762.1

RECORDED: 01/25/2005

PATENT REEL: 016213 FRAME: 0797