

Atty. Dkt. No. 083847-0207

FORM PTO-1595 (modified)

U.S. DEPARTMENT OF COMMERCE

(Rev 6-83)

# RECORDATION FORM COVER SHEET PATENTS ONLY

Patent and Trademark Office

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copies thereof.

1. Name of conveying party(ies):  <b>Chad A. Mirkin (02/22/2005)</b> <b>Jung-Hyurk Lim (03/14/2005)</b>		2. Name and address of receiving party(ies):  <b>Northwestern University</b> <b>1880 Oak Avenue, Suite 100</b> <b>Evanston, IL 60201</b>	
Additional conveying party(ies) <b>NO</b>		Additional name(s) & address(es) attached? <b>NO</b>	
3. Nature of conveyance: <b>ASSIGNMENT</b> Execution Date: <b>See above</b>			
4. Application number(s) or patent number(s): If this is being filed together with a new application, the execution date of the application is: A. Patent Application Number(s): <b>10/442,188</b> B. Patent Number(s): Additional numbers attached? <b>NO</b>			
5. Name and address of party to whom correspondence concerning document should be faxed:  <b>Steven Rutt</b> <b>FOLEY &amp; LARDNER LLP</b> <b>Washington Harbour</b> <b>3000 K Street NW, Suite 500</b> <b>Fax No.: 202-672-5399</b>		6. Total number of applications/patents involved: <b>1</b>	
		7. Total fee (37 C.F.R. § 3.41): <b>\$40.00</b> Check Enclosed <input checked="" type="checkbox"/> Authorized to be charged to credit card Authorized to be charged to deposit account	
		8. Payment Information	
		a. Credit Card Last 4 Numbers <b>3447</b> Expiration Date <b>11/30/2008</b> b. Deposit account number <b>19-0741</b> Authorized User Name	

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## 9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above-identified deposit account.

Steven Rutt



July 20, 2006

Name of person signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 9

700276986

PATENT  
REEL: 017978 FRAME: 0931

OP \$40.00 10442188

Atty. Dkt. No. 083847-0207

**ASSIGNMENT - WORLDWIDE**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Northwestern University  
1880 Oak Avenue, Suite 100  
Evanston, IL 60201

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

**ELECTROSTATICALLY DRIVEN LITHOGRAPHY**

as set forth in this United States Patent Application

check one     ☐ executed concurrently herewith,  
                 ☐ executed on \_\_\_\_\_,  
                 ☒ Serial No. 10/442,188 Filed 05/21/2003

which claims priority to provisional patent application serial no. 60/382,596 filed May 21, 2002; as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

Atty. Dkt. No. 083847-0207

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Foley & Lardner LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Foley & Lardner LLP** do not personally represent ASSIGNOR OR ASSIGNOR's legal interests; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

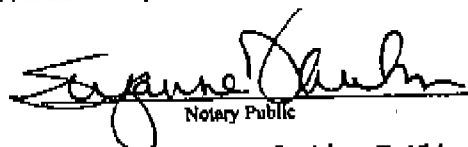
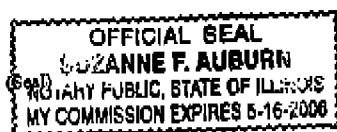
Atty. Dkt. No. 083847-0207

Executed this 24 day of February, 2005

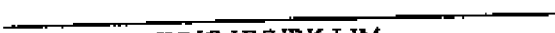
CHAD A. MIRKIN

State of IL )  
County of Cook )ss.

On this 24 day of February, 2005, before me, a notary public in and for said county, appeared CHAD A. MIRKIN, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed, and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

  
Notary PublicMy Commission Expires: 5-16-2006

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

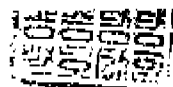
  
JUNG-HYURK LIMState of \_\_\_\_\_ )  
County of \_\_\_\_\_ )ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, a notary public in and for said county, appeared JUNG-HYURK LIM, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed, and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

(Seal)



[제 41호 서식]

Registered No. 2005 - 1074

**RECEIVED**OFFICE OF THE VICE PRESIDENT  
FOR RESEARCH**NOTARIAL CERTIFICATE**

**JUNGWON LAW AND NOTARY OFFICE INC.**  
 3F 720-21 KYOUHYEON 2 DONG,  
 CHUNGJU-SHI,  
 CHUNGBUK, KOREA

TEL:(043)851-8891, 848-8891 FAX:(043)854-5902

23290-05311인  
90. 11. 26 승인공문  
인기 **중원종합법무법인**충주시 보현2동 720-21 3층  
전화 : (043) 851-8891, 848-8891  
FAX : (043) 854-5902**PATENT****REEL: 017978 FRAME: 0935**

Atty. Dkt. No. 083847-0207

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1880 Oak Avenue, Suite 100  
Evanston, IL 60201

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as set forth in this United States Patent Application

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Atty. Dkt. No. 083847-0207

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Atty. Dkt. No. 083847-0207

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.



CHAD A. MIRKIN

 State of \_\_\_\_\_  
 County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, a notary public in and for said county, appeared CHAD A. MIRKIN, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed, and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

Notary Public

My Commission Expires: \_\_\_\_\_

(Seal)

Executed this 14 day of March, 2005.
  
 JUNG-HYURK LIM

 State of Chungbuk, Republic of KOREA  
 County of \_\_\_\_\_

On this 14 day of March, 2005, before me, a notary public in and for said county, appeared JUNG-HYURK LIM, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed, and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

JUNGWON LAW AND NOTARY OFFICE INC.

  
 Cho Yang Jin  
 Notary Public
My Commission Expires: N/A

(Seal)



[제 42호 서식]

등부 2005 년 제 1074 호

Registered No. ~~2005~~ - 1074

인 증

Notarial Certificate

위 동 의 서  
에 기재된 임 정 혁  
은  
본직의 면전에서 위 사서증서에  
자기가 서 명 날인한 것임을  
자인하였다.

JUNG-HYURK, LIM  
personally appeared before  
me and admitted his(her)  
subscription to the  
attached  
**ASSIGNMENT - WORLDWIDE**

2005 년 3 월 14 일  
이 사무소에서 위 인증한다.

This is hereby attested on  
this 14 day of MAR . 2005  
at this office.

공증인가 중원종합법무법인  
주 소 : 충주시 교현 2동 720-21 3층

JUNGWON LAW AND  
NOTARY OFFICE INC.  
3F 720-21  
KYOUHYEON 2 DONG  
CHUNGJU SHI,  
CHUNGBUK, KOREA

공증담당변호사

3 08 21



This office has been authorized  
by the Minister of Justice, the  
Republic of Korea, to act as  
Notary Public since

MAR, 14 . 2005 . under

Law No.

Cho Yong Ju

23230-05411원  
90. 11. 26 승인

공증  
인가

중원종합법무법인

충주시 교현2동 720-21 3층  
전 화 : (043) 851-8881, 848-8891  
FAX : (043) 854-5902

PATENT

RECORDED: 07/20/2006

REEL: 017978 FRAME: 0939