FORM PTO-1595 (modified)	U.S. DE ARTMENT OF COMMERCE
(Rev 6-93) RECORDATION FO	
	SONLY
	Please record the attached original documents or copies thereof.
<u> </u>	Name and address of receiving party(ies):
Name of conveying party(ies):	2. Hairle and address of receiving party(les).
Chad A. Mirkin (12/30/2008)	
Yuhuang Wang (01/09/2009)	Northwestern University
Louise R. Giam (12/30/2008) Matthew Park (12/30/2008)	Northwestern University 633 Clark Street
Mattiew Fair (12/30/2000)	Evanston, IL 60208
Additional conveying party(ies) NO	
Nature of conveyance: ASSIGNMENT	
Execution Date:	
see above	Additional name(s) & address(es) attached? NO
Application number(s) or patent number(s):	
If this is being filed together with a new application, the exe	cution date of the application is:
A. Patent Application Number(s):	B. Patent Number(s):
12/222,464	
	ers attached? NO
Name and address of party to whom correspondence concerning document should be faxed to:	6. Total number of applications/patents involved:
33.133.17113 44	7. Total fee (37 C.F.R. § 3.41): \$40.00
J. Steven Rutt	Check Enclosed
FOLEY & LARDNER LLP Washington Harbour	X Authorized to be charged to credit card
3000 K Štreet NW, Suite 500	Authorized to be charged to deposit account
Washington, D.C. 20007-5143 Fax No.: 202-672-5352	8. Payment Information
	a. Credit Card Last 4 Numbers 6635 Expiration Date 11/30/2011
	b. Deposit account number 19-0741
	Authorized User Name
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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 a	uthorized to charge any additional recordation fees which may
be required in this matter to the above-identified deposit account	(^{m.} () ++
J. Steven Rutt	Jany 23, 2009
Name of person signing	Signature Date
Total number of pag	ges including cover sheet, attachments, and document: 13

PATENT REEL: 022189 FRAME: 0963

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 633 Clark Street Evanston, IL 60208

(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

INDEPENDENTLY-ADDRESSABLE, SELF-CORRECTING INKING FOR CANTILEVER ARRAYS

as set forth in this United States Patent Application

check one	[] executed concurrently	herewith,
	Ì] executed on	
	įχ	Serial No. 12/222,464	Filed <u>08/08/2008</u>

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 including priority provisional filing serial nos. 60/954,732, filed 08/08/2007, 61/047,630, filed 04/24/2008 and 61/055,028, filed 05/21/2008, (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.

Page 1 of 1

WASH_4784780.1

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.

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.

Executed this 30 day of December, 2008.	
Cha_	
CHAD A. MIRKIN	
State of July (1975)	
On this day of Do Charles 2004 before me. Lower Statisfactory evidence to be the person whose name for said county), personally appeared CHAD A. MIRKIN, who proved to me on the basis of satisfactory evidence to be the person whose name to subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that hy his/her signeture on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.) ir
WITNESS my hand and official seed. Signature 2 11 12 12	
My Commission Explica: 12 05 / 10 (Seal) OFFICIAL SEAL SABINE STURM NOTARY PUBLIC - STATE OF ALINOIS	
Executed this day of, 2008.	
YUHANG WANG	-
State of	
	
County of	.d
On this day of	iş
WITNESS my hand and official seal.	
Signature	
My Commission Expires:	
(Setti)	

Page 3 of 3

Executed this 30 day of December, 2008.	
	Jauri Grain
 _	LOUISI R. GIAM
State of Illumu)	
County of Cook)	
On this 20 day of 10 U 1172 200 d. before me. 20 of for said county), personally appeared LOUISE R. GIAM, who proved to me on the best subscribed to the within instrument and acknowledged to me that he/she executed the signature on the instrument the person, or the entity upon behalf of which the person ac	ame in his/her authorized capacity, and that by his/her
WITNESS my hand and official seal.	
Signarure Salme Itum	
My Commission Expires: 12/05/10	
(Seal) OFFICIAL SEAL SABINE STURM NOTARY PUBLIC - STATE OF ILLINO'S MY COMMISSION EXPIRES:1205/10 Executed this day of, 2008	ı .
 	MATTHEW PARK
State of	
County of	
-	(a peters militie in And
On this	
WITNESS my hand and official seal.	
Signature	
My Commission Expires:	
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Page 4 of 4

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Northwestern University 633 Clark Street Evanston, IL 60208

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	Ì	executed on	
	įχ] Serial No. 12/222,464	Filed <u>08/08/2008</u>

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Executed this	day of	, 2008.
		CHAD A. MIRKIN
State of)	
County of)	
On thisday of for said county), personally appeared subscribed to the within instrument was signature on the instrument the personal of the control of the contr	, 20 CHAD A. MIRKIN, who ad acknowledged to me to a, or the entity upon behi	, before me,
WITNESS my hand and official seal.		
Signature		
My Commission Expires:	_	
(Seal)		
State of County of Fixed day of for said county), personally appeare	of TOHANG WAND, when and anknowledged to much on, or the emity upon bo	2008. YUHUANG YUHUANG YUHUANG YUHUANG YUHUANG YUHUANG A notery public in and no proved to me on the basis of ballsfactory evidence to be the person whose name is a that he/she executed the same in his/her authorized capacity, and that by his/her chalf of which the person acted, executed the instrument.
(Scal)	HUGH A. ANDER NOTARY PUBL PRINCE GEORGES	

Page 3 of 4

	uny v· _	2008	
			LOUISE R. GIAM
State of)	I	
County of)		
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WITNESS my hand and official ser	ai,		
Signature		<u>-</u>	
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My Commission Expires:	. -	'	·
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Executed this	day of	£	08.
		£	08. MATTHEW PARK
State of)	£, 20	
State of County of)		MATTHEW PARK
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Executed this	day of	, 2008.
		CILLD A MENDY
_		CHAD A, MIRKIN
State of		
County of		
On this day of	, 2	0, before me(n notary public in and in proved to me on the basis of satisfactory evidence to be the person whose name is the basis of satisfactory evidence to be the person whose name is blacker surfactored canacity, and that by his/her surfactored canacity, and that by his/her
		to proved to me on the beam of Managemery evenence to be the person whose make that he/she executed the same in his/her authorized capacity, and that by his/her half of which the person acted, executed the instrument.
WITNESS my hand and official seal.		
Signature		
My Commission Expires:		
(Seal)		
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	-	
Executed this	day of	, 2008.
. Excelled dills		
		YUHANG WANG
State of)	
County of)	
		0 before me,
for said county), personally appeared	YUHANG WANG, wh	to proved to me on the basis of satisfactory evidence to be the person whose name is that he/she executed the same in his/her authorized capacity, and that by his/her
signature on the instrument the person	, or the entity upon be	half of which the person acted, executed the instrument.
WITNESS my hand and official seal.		
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Signature		
My Commission Expires:	.	
(Scal)		

Page 3 of 3

Executed this	day of	, 2		
			LOUISE R. GIAM	
State of)	1		
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On thisday of	LOUISE R. GIAM, and acknowledged to m, or the entity upon	. 20, hefore mo, who proved to me on mo that he/she except behalf of which the po	the master of satisfactory evidence to be the person wered the same in his/her authorized capacity, and that terson acted, executed the instrument.	public in and hose nume is by his/her
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Executed this $\frac{2}{2}$	o day of 1	<u></u>	MATTHEW PARK	
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for said county), personally appears	CO MATTER TAK	in they be the auge	on the hasis of satisfactory evidence to be the versor suled the same in his/her authorized capacity, and the person acted, executed the instrument.	y public in and whose name at by his/her
WITNESS my hand and official se	:al. •			
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Page 4 of 4

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RECORDED: 01/29/2009