

Patent and Trademark Office

Atty. Dkt. No. 083847-0425

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,
 ☐ executed on _____
 ☒ Serial No. 12/222,464 Filed 08/08/2008

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.

Atty. Dkt. No. 083847-0425

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.

Atty. Dkt. No. 083847-0425

Executed this 30th day of December, 2008.

 CHAD A. MIRKIN
State of IllinoisCounty of Cook

On this 30th day of December, 2008, before me, Sabine Sturm (a notary public in and for said county), personally appeared CHAD A. MIRKIN, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me 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 behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Sabine SturmMy Commission Expires: 12/05/10

Executed this _____ day of _____, 2008.


 YUHANG WANG

State of _____

County of _____

On this _____ day of _____, 20____, before me, _____ (a notary public in and for said county), personally appeared YUHANG WANG, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me 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 behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____

My Commission Expires: _____

(Seal)

Atty. Dkt. No. 083847-0425

Executed this 30 day of December, 2008.Louise R. Giam

LOUISE R. GIAM

State of Illinois)County of Cook)

On this 30th day of December, 2008, before me, Sabine Sturm (a notary public in and for said county), personally appeared LOUISE R. GIAM, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me 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 behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Sabine SturmMy Commission Expires: 12/05/10

(Seal)



Executed this ____ day of _____, 2008.

MATTHEW PARK

State of _____)

County of _____)

On this ____ day of _____, 20____, before me, _____ (a notary public in and for said county), personally appeared MATTHEW PARK, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me 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 behalf of which the person acted, executed the instrument.

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Signature _____

My Commission Expires: _____

(Seal)

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Atty. Dkt. No. 083847-0425

Executed this _____ day of _____, 2008.

CHAD A. MIRKIN

State of _____)

County of _____)

On this _____ day of _____, 20____, before me, _____ (a notary public in and for said county), personally appeared CHAD A. MIRKIN, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me 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 behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____

My Commission Expires: _____

(Seal)

Executed this 9th day of January, 2008. ^{y.w.}State of MDCounty of Prince Georges

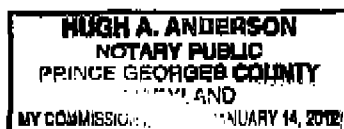
On this 9th day of January, 2009, before me, Yuhang Wang (a notary public in and for said county), personally appeared YUHLANG WANG, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____

My Commission Expires: 01/14/2012

(Seal)



Atty. Dkt. No. C83847-0425

Executed this _____ day of _____, 2008.

LOUISE R. GIAM

State of _____)

County of _____)

On this _____ day of _____, 20____, before me, _____ (a notary public in and for said county), personally appeared LOUISE R. GIAM, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me 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 behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____

My Commission Expires: _____

(Seal)

Executed this _____ day of _____, 2008.

MATTHEW PARK

State of _____)

County of _____)

On this _____ day of _____, 20____, before me, _____ (a notary public in and for said county), personally appeared MATTHEW PARK, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me 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 behalf of which the person acted, executed the instrument.

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Atty. Dkt. No. 083847-0425

Executed this ____ day of _____, 2008.

CHAD A. MIRKIN

State of _____)

County of _____)

On this ____ day of _____, 20____, before me, _____ (a notary public in and for said county), personally appeared CHAD A. MIRKIN, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me 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 behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____

My Commission Expires: _____

(Seal)

. Executed this ____ day of _____, 2008.

YUHAN WANG

State of _____)

County of _____)

On this ____ day of _____, 20____, before me, _____ (a notary public in and for said county), personally appeared YUHAN WANG, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me 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 behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____

My Commission Expires: _____

(Seal)

Atty. Dkt. No. 083847-0425

Executed this _____ day of _____, 2008.

LOUISE R. GIAM

State of _____)

County of _____)

On this _____ day of _____, 20____, before me, _____ (a notary public in and for said county), personally appeared LOUISE R. GIAM, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me 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 behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____

My Commission Expires: _____

(Seal)

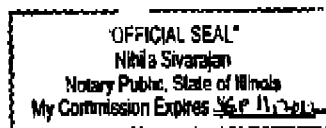
Executed this 30 day of December, 2008._____
MATTHEW PARKState of ILLINOIS)County of COOK)

On this 30 day of DECEMBER, 2008, before me, NIHILA SIVARAJAN (a notary public in and for said county), personally appeared MATTHEW PARK, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me 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 behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Nihila SivarajanMy Commission Expires: SEP 11, 2012

(Seal)



Page 4 of 4

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