PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Teri W. Odom	08/31/2011
Min Hyung Lee	08/31/2011
Mark D. Huntington	08/31/2011
Wei Zhou	08/31/2011

RECEIVING PARTY DATA

Name:	Northwestern University
Street Address:	633 Clark Street
City:	Evanston
State/Country:	ILLINOIS
Postal Code:	60208

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13135910

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 11416

NAME OF SUBMITTER: Tina Michels Nelson

Total Attachments: 8

PATENT REEL: 027020 FRAME: 0911 H \$40.00 1313

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PATENT REEL: 027020 FRAME: 0912

PATENT
Attorney Docket No: 11416
For: [X] U.S. and/or [] Foreign Rights
For: [X] U.S. Application or [] U.S. Patent
By: [X] Inventor(s) or [] Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to each ASSIGNOR identified below of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:					
(inventor(s) or	Teri W. Odom	("ASSIGNOR")			
	(Type or print name(s) of ASSIGNOR(S))				
person(s) or entity(ies) who own the invention)					
	375 W. Erie Street, #523	S			
	Chicago, IL 60610				
	(Address)				
	US				
	(Nationality)				
(inventor(s) or	Min Hyung Lee	("ASSIGNOR")			
person(s) or entity(ies)	(Type or print name(s) of ASSI	GNOR(S))			
who own the invention)					
	2060 4th St. Apt 215				
	Berkeley, CA 94710				
	(Address)				
	KR				
	(Nationality)				
(inventor(s) or	Mark D. Huntington				
person(s) or entity(ies)	(Type or print name(s) of ASSIG	GNOR(S))			
who own the invention)					
	809 Noves Street, #A1				
	Evanston, IL 60201				
	(Address)				
	US				
	(Nationality)				

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(inventor(s) or	Wei Zhou ("ASSIGNOR")
	(Type or print name(s) of ASSIGNOR(S))
person(s) or entity(ies) who own the invention)	
	1454 Oak Avenuc
	Evanston, IL 60201
	(Address)
	CN
	(Nationality)
(If assi	gnment is by person or entity to whom invention was previously assigned and this was recorded in PTO add the following)
Recorded on	
Andrew Control of the	offendamental on the management of the second of the second of the second offendament of the second
hereby sells, assign	s and transfers to
ASSIGNEE:	
	Northwestern University ("ASSIGNEE")
	633 Clark Street
	Evanston, IL 60208
	United States of America
	(Address)
	An Illinois University
	(entity type)
and the successors,	assigns and legal representatives of the ASSIGNEE (complete one of the following)
E343 11 11	tan da anatan
	ight, title and interest
	percent (%) interest
for the Unite	d States and its territorial possessions
(check	the following box if foreign rights are also to be assigned)
[] and in all fo	reign countries, including all rights to claim priority,
	I improvements which are disclosed in the invention entitled:
•	
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	NANOSCALE EMBOSSING

(check and complete (a), (b), (c) or (d))

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PATENT REEL: 027020 FRAME: 0914

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and which is found in

(a) [] U.S. patent application executed on even date herewith
(b) [] U.S. patent application executed on
[] To comply with 37 CFR 3.21 for recordal of this assignment, I, an
ASSIGNOR signing below, hereby authorize and request my attorney, as
named in the Declaration and Power of Attorney I executed for this
invention on the execution date stated above, to insert below the
filing date and application number when it becomes known.
(c) [X] U.S. application serial no. <u>13/135,910</u> filed on <u>July 18, 2011</u> .
(d) [] U.S. patent no. issued
[] A change of address to which correspondence is to be sent regarding patent
maintenance fees is being sent separately.

(also check (e) if foreign application(s) is also being assigned)

(e) [] 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.

3

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N WITNESS WHEREOF, I/We have hereunto set hand the date indicated below.

WARNING: Date of signing must be the same as the date of execution of the application if item (a) was checked above.

Signature of ASSIGNOR(S)

Teri W. Odom Min Hywnig Lee	(Date) 08/31/11
Min Hyung Lee	(Date)
Mark D. Huntington	(Date)
Wei Zhou	(Date)

4

PATENT

Attorney Docket No: 11416

For: [X] U.S. and/or [] Foreign Rights

For: [X] U.S. Application or [] U.S. Patent

By: [X] Inventor(s) or [] Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to each ASSIGNOR identified below of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:					
(inventor(s) or	Teri W. Odom	("ASSIGNOR")			
43 4.4	(Type or print name(s) of	ASSIGNOR(S))			
person(s) or entity(ies) who own the invention)					
	375 W. Erie Street, #523				
•	Chicago, IL 60610				
	(Address)				
	ÙS				
	(Nationality)				
(inventor(s) or	Min Hyung Lee	("ASSIGNOR")			
	(Type or print name(s) of ASSIGN	IOR(S))			
person(s) or entity(ies) who own the invention)					
	2450 Green Bay Avenue, A	Apt #A			
	Evanston, IL 60201				
	(Address)				
	<u>KR</u>				
	(Nationality)				
(inventor(s) or	Mark D. Huntington	("ASSIGNOR")			
	(Type or print name(s) of ASSIGN				0-10
person(s) or entity(ies) who own the invention)	POO Noves Street #A1	1575 Oak Ave	Apt	72	MA
	809 Noyes Street, #A1				6/31/11
	Evanston, IL 60201				·
	(Address)				
	US				
	(Nationality)				

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(inventor(s) or	Wei Zhou	("ASSIGNOR")		
, ,,	(Type or print name(s)	f ASSIGNOR(S))		
person(s) or entity(ies) who own the invention)				
	1454 Oak Avenue	5205 X. Ben	nard Apt 1	
	Evanston, IL 6020	Chicago.	14, 60 625	
	(Address)			ω.Σ.
	CN	CN		31 4. 2. 200
	(Nationality)		W.Z. 31. August 2011
(If assiz		ity to whom invention was previous ded in PTO add the following)	sly assigned	
Recorded on	,			
Reel		<u> </u>		
Frame				
hereby sells, assigns	s and transfers to			
ASSIGNEE:				
	Northwestern Univ	ersity ("ASSIGNEE")		
	633 Clark Street	· · · · · · · · · · · · · · · · · · ·		
	Evanston, IL 60208	<u> </u>		
	United States of Ar	nerica		
	(Addr	ess)		
	An Ill	nois University		
	(entity type)		
and the successors	assigns and legal rer	resentatives of the ASSIGN	NEE	
and the successors,		one of the following)	NIE	
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	ght, title and interes			
an undivided			nterest	
for the United	d States and its territ	orial possessions		
(check t	the following box if f	oreign rights are also to be	: assigned)	
	_	ding all rights to claim prices are disclosed in the inver	• •	
PROGRAM		ГНОGRAPHY: SOLVEN ALE EMBOSSING	NT-ASSISTED	

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(check and complete (a), (b), (c) or (d))

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and which is found in

(a) [] U.	S. patent application executed on even date herewith
(b) [] U.	S. patent application executed on
[] To	o comply with 37 CFR 3.21 for recordal of this assignment, I, an
. AS	SSIGNOR signing below, hereby authorize and request my attorney, as
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inv	vention on the execution date stated above, to insert below the
fili	ing date and application number when it becomes known.
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(d) [] U.	S: patent no. issued
[] A c	change of address to which correspondence is to be sent regarding patent
ma	intenance fees is being sent separately.

(also check (e) if foreign application(s) is also being assigned)

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Signature of ASSIGNOR(S)

Teri W. Odom (Date)

Min Hyung Lee (Date)

Mark D. Huntington 31 August 2011

Wei Zhou 31 August 2011
Wei Zhou (Date)

4

RECORDED: 10/05/2011