504143814 12/13/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4183660

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANC	E: ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY DAT	A		
	Name	Execution Date	
MING TING WU		12/15/2010	
RULON JOSEPH LARSEN		12/17/2010	
YOUNG KIM		12/17/2010	
KIEUN KIM		12/29/2010	
ADAM L. COHEN		12/23/2010	
ANANDA H. KUMAR		02/03/2011	
MICHAEL S. LOCKARD		12/15/2010	
DENNIS R. SMALLEY		12/09/2010	
		1	
RECEIVING PARTY DATA			
Name: N	IICROFABRICA INC.		

Street Address: 7911 HASKELL AVENUE	
VAN NUYS	
State/Country: CALIFORNIA	
91406	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14017535

CORRESPONDENCE DATA

Fax Number:	318)997-3659		
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.			
Phone:	8187863322X105		
Email:	smalley@microfabrica.com		
Correspondent Name:	DENNIS R. SMALLEY		
Address Line 1:	7911 HASKELL AVENUE		
Address Line 4:	VAN NUYS, CALIFORNIA 91406		
ATTORNEY DOCKET NUMBER	P-US296-C-SC		
NAME OF SUBMITTER:	DENNIS R. SMALLEY		
SIGNATURE:	/DENNIS R. SMALLEY/		

DATE SIGNED:	12/13/2016
Total Attachments: 6	
source=P-US296-A-MFAssignment	_2011-02-18#page1.tif
source=P-US296-A-MFAssignment	_2011-02-18#page2.tif
source=P-US296-A-MFAssignment	_2011-02-18#page3.tif
source=P-US296-A-MFAssignment	_2011-02-18#page4.tif
source=P-US296-A-MFAssignment	_2011-02-18#page5.tif
source=P-US296-A-MFAssignment	2011-02-18#page6.tif

ASSIGNMENT - MULTIPLE INVENTORS - ALL INVENTIONS COMMONLY OWNED

Name	Mailing Address	Residence City and State
Ming Ting Wu	7911 Haskell Avenue, Van Nuys, CA 91406	Encino, CA M. W.
Rulon Joseph Larsen, III	7911 Haskell Avenue, Van Nuys, CA 91406	Reseda, CA
Young Kim	7911 Haskell Avenue, Van Nuys, CA 91406	Sherman Oaks, CA
Kieun Kim	7911 Haskell Avenue, Van Nuys, CA 91406	Pasadena, CA
Adam L. Cohen	7911 Haskell Avenue, Van Nuys, CA 91406	Valley Village, CA
Ananda H. Kumar	1999 Blackfoot Drive, Fremont, CA 94539	Fremont, CA
Michael S. Lockard	7911 Haskell Avenue, Van Nuys, CA 91406	Lake Elizabeth, CA
Dennis R. Smalley	7911 Haskell Avenue, Van Nuys, CA 91406	Newhall, CA

For good and valuable consideration, receipt of which is hereby acknowledged, we

hereby sell, assign and transfer to Microfabrica Inc. having a place of business at 7911 Haskell Avenue, Van Nuys, California 91406, its successors, and assigns, the entire right, title, and interest throughout the world to the inventions that we have invented or co-invented, though possibly not claimed, as set forth in the following patent(s) and/or patent application(s)

Country	Patent or App. No.	Issue Date or Filing Date	Title
US	App. No. 12/906,970	Filed October 18, 2010	Multi-Layer, Multi-Material Fabrication Methods for Producing Micro-Scale and Millimeter-Scale Devices with Enhanced Electrical or Mechanical Properties

and for all other patent applications and patents of every country for said inventions (whether or not yet filed), including divisions, reissues, continuations, and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for other patents in the United States and/or foreign countries for said inventions, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with these patent applications and/or patents, and generally to do everything possible to aid said assignee, their successors, assigns, and nominees, at their request and expense, in obtaining and enforcing patents for said inventions in all countries; and we request that the United States Patent and Trademark Office and all other patent granting authorities to issue all patents granted for said inventions to the above-named assignee, its successors, and assigns.

First Inventor

Ex	ecuted this _/	day of Dec	umber , 2010.
			17th fr
			(Signature)
			Ming Ting Wu
			Name (Typed or Printed)
State of	<u>California</u>)	

SS.

State of <u>California</u>) County of Los Angeles)

On <u>12/15/2010</u> before me, <u>Elizabeth A. Brown</u>, Notary Public, personally appeared <u>Ming Ting Wu</u> 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 executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

ELIZABETH A. BROWN Commission # 1821112 Notary Public - California
Los Angeles County My Comm. Expires Nov 1, 2012
Second Inventor
Executed this <u>17</u> day of <u>DECEMBER</u> , 20 <u>10</u> . <u>Rhaffed</u> (Signature)
Rulon Joseph Larsen, III Name (Typed or Printed)
State of <u>California</u>))) ss.
County of Los Angeles
On 12/17/2010 before me Elizabeth A Brown Notary Public, personally

On <u>IZ[I]</u> before me, <u>Elizabeth A. Brown</u>, Notary Public, personally appeared <u>Rulon Joseph Larsen</u>, <u>III</u> 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 executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

'ydadadadadadadad	**********	W.
	ELIZABETH A. BROWN	
	Commission # 1821112	ľ.
	Notary Public - California	ž
	Los Angeles County	2
M NOR	y Comm. Expires Nov 1, 2012	Ľ.
- Selanda da d		S

SIGNATURE OF NOTARY

Page 2 of 5

Third Inventor

State of

California

County of Los Angeles

Executed this $\underline{/2^{th}}$ day of _	December, 2010.
	Realis
	(Signature)
	Young Kim
	Name (Typed or Printed)

On <u>12/17/2010</u> before me, <u>Elizabeth A. Brown</u>, Notary Public, personally appeared Young Kim 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 executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

SS.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. WITNESS my hand and official seal

	with the off and and official seal.
ELIZABETH A. BROWN Commission # 1821112	Elisbert a Brown
Notary Public - California Los Angeles County My Comm. Expires Nov 1, 2012	SIGNÁTURE OF NOTARY
Fourth Inventor	
Executed this <u>29</u> day of <u>Dece</u>	(Signature)
	Kieun Kim
	Name (Typed or Printed)
State of <u>California</u>)) ss.	
County of Los Angeles)	
1 1	

On 12/29/2010 before me, Elizabeth A. Brown, Notary Public, personally appeared Kieun Kim 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 executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

ELIZABETH A. BROWN Commission @ 1821112 Notary Public - California Los Angeles County Comm. Expires Nov 1, 2012

abert a. Brown SIGNATURE OF NOTARY

Page 3 of 5

Docket No: P-US296-A-MF

Executed this 23 day of	GUBER 2019
Executed this day of	M2 A
	(Signature)
	Adam L. Cohen
	Name (Typed or Printed)
State of Callfornia) State of Callfornia) State of Costangeles) State of Callfornia)	
County of LOSANGELES)	
personally appeared Adam L. Cohen who pro-	e, <u>Jennifer Saltus-Thomas</u> , Notary Public, ved 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 executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

	WITNESS my hand and official seal.
Commission # 1904007	Inil hotomas
Los Angeles County My Canno, Espires Sep 13, 2014	SIGNATURE OF NOTARY

Sixth Inventor

Executed this _	day of	, 20	
		(Signature)	
		Ananda H. Kumar	
		Name (Typed or Printed)	
State of)) SS.		
County of) 55.		
~	bofore me	, Notary Publ	ic

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

SIGNATURE OF NOTARY

Page 4 of 5

th Inventor	
Executed this day of	, 20
	(Signature)
	Adam L. Cohen
	Name (Typed or Printed)
ate of) ss) ss.	
the person whose name is subscribed	ore me,, Notary Public, o proved to me on the basis of satisfactory evidence to d to the within instrument and acknowledged to me that capacity, and that by his signature on the instrument the h the person acted, executed the instrument.
L certify under PENALTY OF P	ERJURY under the laws of the State of California that the
regoing paragraph is true and correct.	WITNESS my hand and official seal.
	SIGNATURE OF NOTARY
Sixth Inventor Executed this 34 d day of	Ebmary, 20_1. Anark H. Kumaz (Signature)
	Ananda H. Kumar
	Name (Typed or Printed)
State of <u>Carifornia</u> ss.	
County of <u>Santa clanga</u>	CNOTANY PAULIC)
bersonally appeared <u>Ananda H. Kumar</u> be the person whose name is subscribe	crostny Public fore me, <u>BHAVANA R. PATEL</u> , Notary Public who proved to me on the basis of satisfactory evidence to ed to the within instrument and acknowledged to me that d capacity, and that by his signature on the instrument the ich the person acted, executed the instrument.
person or the entity upon benalt of whi	
I certify under PENALTY OF I	PERJURY under the laws of the State of California that the
person, or the entity upon benait of whi I certify under PENALTY OF I foregoing paragraph is true and correct	PERJURY under the laws of the State of California that the

· ·

Page 4 of 5

Seventh Inventor

Ex	ecuted this	<u>√</u> day of _	Pec	, 20 <i>10</i> .	\wedge
			M	rchal	for p
				(Signatu	re) 🧹
				Michael S. L	ockard
				Name (Typed o	r Printed)
State of	<u>California</u>)			
) 5	3.		

County of Los Angeles

12/15/2010 On ____ before me, Elizabeth A. Brown, Notary Public, personally appeared Michael S. Lockard 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 executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

)

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

MINA LA DAY	Commissio Notary Public Los Ange	n # 1821112 lic - California sles County	WITNESS my hand and official seal.
1	My Comm. Exp	oires Nov 1, 2012	SIGNATURE OF NOTARY
Eighth Inv	ventor		
Exe	ecuted this <u>974</u> d	ay of	De Roll
			(Signature)
			Dennis R. Smalley
	_		Name (Typed or Printed)
State of	<u>California</u>)	
County of	Los Angeles) SS.)	

On <u>IZ/9/2010</u> before me, <u>Elizabeth A. Brown</u>, Notary Public, personally appeared Dennis R. Smalley 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 executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

SIGNATURE OF NOTARY

Page 5 of 5

PATENT REEL: 040727 FRAME: 0660

RECORDED: 12/13/2016

ELIZABETH A. BROWN Commission # 1821112 Notary Public - California Los Angeles County My Comm. Expires Nov 1, 2012