PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2821412

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
DAVID SHERRER	03/27/2013	
JEAN-MARC ROLLIN	03/27/2013	
KENNETH VANHILLE	03/27/2013	
MARCUS OLIVER	03/26/2013	
STEVEN HUETTNER	03/21/2013	

RECEIVING PARTY DATA

Name:	NUVOTRONICS, LLC
Street Address:	7586 OLD PEPPERS FERRY LOOP
City:	RADFORD
State/Country:	VIRGINIA
Postal Code:	24141

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14253061	

CORRESPONDENCE DATA

Fax Number: (215)563-4044

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Phone: 215-563-4100 Email: rdolan@ddhs.com

Correspondent Name: THOMAS H. WALLS, PH.D.

Address Line 1: 1601 MARKET ST., SUITE 2400

Address Line 2: DANN DORFMAN HERRELL & SKILLMAN, PC Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103-2307

ATTORNEY DOCKET NUMBER:	5147-P05667US1
NAME OF SUBMITTER:	THOMAS H. WALLS
SIGNATURE:	/THOMAS H. WALLS/
DATE SIGNED:	04/17/2014

Total Attachments: 3

source=Executed Assignment#page1.tif

PATENT REEL: 032715 FRAME: 0312 source=Executed Assignment#page2.tif
source=Executed Assignment#page3.tif

PATENT REEL: 032715 FRAME: 0313

ASSIGNMENT

WHEREAS, David Sherrer, Jean-Marc Rollin, Kenneth Vanhille, Marcus Oliver and Steven Huettner, and each one of them, hereinafter referred to as ASSIGNOR, is a named inventor of an invention entitled: "THREE-DIMENSIONAL MICROSTRUCTURES" described and claimed in U.S. Utility 13/176,740, filed July 5, 2011 and U.S. Provisional 61/361,132, filed July 2, 2010; and

WHEREAS, NUVOTRONICS, LLC, a limited liability company of the State of Virginia, and engaged in business at 7586 Old Peppers Ferry Loop, Radford, VA US 24141, hereinafter referred to as ASSIGNEE, is desirous of acquiring the said invention and any and all applications for Letters Patent and any and all Letters Patent of the United States and foreign countries that may be issued therefor;

NOW, THEREFORE, the parties hereto, intending to be legally bound, agree that, in consideration of good and valuable consideration paid to ASSIGNOR by ASSIGNEE, the receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and set over and hereby does sell, assign and set over, unto ASSIGNEE, its successors and assigns, his or her entire right, title and interest for, to and within the United States and all foreign countries, in and to the aforesaid invention and the application identified above, including any and all provisional applications, continuations, divisionals, continuations-in-part, reissues and re-examinations thereof, and in and to any and all Letters Patent that may issue therefor in the United States and in any and all foreign countries (including related rights such as utility model registrations, inventors' certificates and the like). In addition, ASSIGNOR has sold, assigned and set over and hereby does sell, assign and set over, unto ASSIGNEE, its successors and assigns, the right to claim priority in any and all foreign applications, including applications filed under the Patent Cooperation Treaty, to the above-referenced application and any and all provisional, continuation, divisional, and continuation-in-part applications for the invention.

ASSIGNOR covenants that ASSIGNOR has full right to convey the entire interest herein assigned, and that ASSIGNOR has not executed and will not execute any agreement that will conflict with the terms of this assignment. Further, ASSIGNOR hereby authorizes and requests the Commissioner of the U.S. Patent and Trademark Office, and any official of any country foreign to the United States whose duty is to issue patents, design registrations, inventors certificates or the like, to issue any and all Letters Patent, registration or certificate for such invention to ASSIGNEE, it successors and assigns, as the owner of all right, title and interest therein.

And for said consideration, it is hereby covenanted and agreed that at the request and expense of ASSIGNEE, its successors and assigns, ASSIGNOR will execute any further papers and do such other acts and things as may be necessary and proper to permit ASSIGNEE, its successors and assigns, to procure and enforce Letters Patent for said invention in the United States and in such foreign countries as ASSIGNEE, its successors and assigns may elect, and vest the full title thereto in ASSIGNEE, its successors and assigns.

IN WITNESS WHEREOF, this Assignment has been executed on the day and month indicated below.

Date

Signature

DAVID SHERIKE

JEAN-MARC BOELTN

m 107/12	-	11	#	ZW	h	
<u>63 27 13</u> =126/13		ENNETH VAN	IHILLE			
3/26/13			all			
		ARGUS OLIV	#R			
3.21.13		/h/	<u> </u>			
		TEVEN HUET	INER			
COUNTY OF STATE OF	PULASKI VIRGINIA					
						2011 2012
personally appe	undersigned, a notary pu eared David Sherrer, to m	e known to b	e the person describ	ed in and who	executed the f	2CAA ,2013, oregoing
instrument and recorded as suc	who acknowledged that	they executed	the same as their fi	ree act and dee	ed and desired	the same to be
recorded as suc				M	NOTA PUBL	IRY TO
			Notary Public		MY COMM	1 24 558
COUNTY OF STATE OF	TUASKI VIRGINIA				05/31/20	S)14
				>¬īt	HEALTH	OF VIRE
Before me, the personally appe	undersigned, a notary pu eared Jean-Marc Rollin, t	blic, in and fo o me known t	r the county aforesa o be the person des	rid, on this <u>< / </u>	_day of <u>/v\\\</u> ho executed th	2013, e foregoing
instrument and recorded as suc	who acknowledged that	they executed	d the same as their f	ree act and dee	ed and desired.	the same to be
recorded as suc	,111.			111	NOTAR	Y TEN
			Notary Public		REG # 732	24558 D
COUNTY OF STATE OF	PULASICI VIRGINIA				MY COMMI EXPIRI	ES S
				77	THE WEATH	+OF or 3013
personally appo	undersigned, a notary pu eared Kenneth Vanhille, t	o me known i	to be the person des	scylibed in and v	vho executed ti	2013, he foregoing
instrument and recorded as suc	l who acknowledged that	they executed	d the same as their	ree act and de	ed and desired	the same to be
recorded as say				PAA	NOT	ARY
			Notary Public		REG#	T324558 TO MISSION
COUNTY OF STATE OF	PULASKI URGINA				EXP 05/31	
	undersigned, a notary pu	blic in and fo	or the county aforesa	aid on this 26	day of MEAN	2013,
personally appo	eared Marcus Oliver, to r	ne known to l	oe the person descri	beat in and who	o executed the	foregoing
instrument and recorded as such	l who acknowledged that ch.	they execute	d the same as their	rree act and de	ed and desired	CE W
				M	NO.	OTARY OF
			Notary Public		REG;	7324558 THE MMISSION
					05/3	PIRES 1/2014
				REEL: 0	የ ዲያ ቒ있 3271 5 የ ድደ	WE 0315
						111111

MY COMMISSION

PAGE 3

COUNTY OF PUBLIC STATE OF VICE NIA

Votary Public

PATENT REEL: 032715 FRAME: 0316

RECORDED: 04/21/2014