504779374 02/15/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4826103

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
IAN HOVEY	05/01/2013
J. ROBERT REID	05/01/2013
DAVID SHERRER	04/19/2013
WILL STACY	05/14/2013
KEN VANHILLE	05/01/2013

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15854917

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 using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 2155634100

Email: nhaun@ddhs.com, fzapiec@ddhs.com

Correspondent Name: NIELS HAUN
Address Line 1: 1601 MARKET ST
Address Line 2: SUITE 2400

Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103

ATTORNEY DOCKET NUMBER:	5147-P05713US3
NAME OF SUBMITTER:	NIELS HAUN
SIGNATURE:	/Niels Haun/
DATE SIGNED:	02/15/2018

Total Attachments: 10

PATENT REEL: 045343 FRAME: 0599

504779374

source=Nuvo LLC to Nuvo Inc#page1.tif	
source=Nuvo LLC to Nuvo Inc#page2.tif	
source=Nuvo LLC to Nuvo Inc#page3.tif	
source=Nuvo LLC to Nuvo Inc#page4.tif	
source=Nuvo LLC to Nuvo Inc#page5.tif	
source=Nuvo LLC to Nuvo Inc#page6.tif	
source=Nuvo LLC to Nuvo Inc#page7.tif	
source=Executed Assignment#page1.tif	
source=Executed Assignment#page2.tif	
source=Executed Assignment#page3.tif	

Delaware

PAGE 1

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF

DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND

CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A VIRGINIA

LIMITED LIABILITY COMPANY UNDER THE NAME OF "NUVOTRONICS, LLC"

TO A DELAWARE LIMITED LIABILITY COMPANY, FILED IN THIS OFFICE ON

THE TWENTY-FIFTH DAY OF JUNE, A.D. 2015, AT 9:49 O'CLOCK A.M.

5773718 8100V

150970501

You may verify this certificate online at corp.delaware.gov/authver.shtml

Jeffrey W. Bullock, Secretary of State
AUTHENTYCATION: 2500519

DATE: 06-25-15

State of Delaware Secretary of State Division of Corporations Delivered 09:49 AM 06/25/2015 FILED 09:49 AM 06/25/2015 SRV 150970501 - 5773718 FILE

STATE OF DELAWARE CERTIFICATE OF CONVERSION FROM A NON-DELAWARE LIMITED LIABILITY COMPANY TO A DELAWARE LIMITED LIABILITY COMPANY PURSUANT TO SECTION 18-214 OF THE LIMITED LIABILITY ACT

(.)	The jurisdiction where the Non-Delaware Limited Liability Company first formed is Virginia
2.)	The jurisdiction immediately prior to filing this Certificate is <u>Virginia</u>
3.)	The date the Non-Delaware Limited Liability Company first formed is 06/09/2008
4.)	The name of the Non-Delaware Limited Liability Company immediately prior t filing this Certificate is Nuvotronics, LLC
5.)	The name of the Limited Liability Company as set forth in the Certificate of Formation is Nuvotronics, LLC
n Ž	WITNESS WHEREOF, the undersigned have executed this Certificate on the day of Tunc, A.D. 2015
	BV: Maddle
	Authorized Person Name: Noel Heiks, CEO
	Print or Type
	at a state of the second of th

E9X: (888) 322-1420

nawed semal man?

Delaware

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF CERTIFICATE OF FORMATION OF "NUVOTRONICS, LLC" FILED IN THIS OFFICE ON THE TWENTY-FIFTH DAY OF JUNE, A.D. 2015, AT 9:49 O'CLOCK A.M.

150970501

DATE: 06-25-15

AUTHENTYCATION: 2500519

PATENT REEL: 045343 FRAME: 0603

Jeffrey W. Bullock, Secretary of State

5773718 8100V

You may verify this certificate online at corp.delaware.gov/authver.shtml

State of Delaware Secretary of State Division of Corporations Delivered 09:49 AM 06/25/2015 FILED 09:49 AM 06/25/2015 SRV 150970501 - 5773718 FILE

STATE OF DELAWARE LIMITED LIABILITY COMPANY CERTIFICATE OF FORMATION

	liability company is <u>Nuvotronics, LLC</u>
	stered office in the State of Delaware is 1209
Zip Code 19801	in the City of Wilmington
	gent at such address is The Corporation
I hird: (Insert any other matters	s the members determine to include herein.)
	*
à à	
Para salah s	*
Witness Whereof, the undersi	igned have executed this Certificate of Formation this
	By: Abthorized Person(s)

Name: Noel Heiks, CEO
Typed or Printed

Pax: (888) 755-1450

From: James Cowen

Delaware

PAGE 1

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF

DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND

CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A DELAWARE

LIMITED LIABILITY COMPANY UNDER THE NAME OF "NUVOTRONICS, LLC"

TO A DELAWARE CORPORATION, CHANGING ITS NAME FROM "NUVOTRONICS,

LLC" TO "NUVOTRONICS, INC.", FILED IN THIS OFFICE ON THE

THIRTIETH DAY OF JUNE, A.D. 2015, AT 10:37 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

5773718 8100V

150990605

You may verify this certificate online at corp.delaware.gov/authver.shtml

Jeffrey W. Bullock, Secretary of State

AUTHENT CATION: 2514499

DATE: 06-30-15

State of Delaware Secretary of State Division of Corporations Delivered 10:37 AM 06/30/2015 FILED 10:37 AM 06/30/2015 SRV 150990605 - 5773718 FILE

STATE OF DELAWARE CERTIFICATE OF CONVERSION FROM A LIMITED LIABILITY COMPANY TO A CORPORATION PURSUANT TO SECTION 265 OF THE DELAWARE GENERAL CORPORATION LAW

.)	The jurisdiction where the Limited Liability Company first formed is Virginia
i.)	The jurisdiction immediately prior to filing this Certificate is Delaware
.)	The date the Limited Liability Company first formed is 6/25/15
. }	The name of the Limited Liability Company immediately prior to filing this Certificate is Nuvotronics, LLC
5.)	The name of the Corporation as set forth in the Certificate of Incorporation is Nuvotronics, Inc.
ΟÍ	WITNESS WHEREOF, the undersigned being duly authorized to sign on behalf the converting Limited Liability Company have executed this Certificate on the day of June, A.D. 2015

Name: David W. Sherrer
Print or Type

Title: Manager and President
Print or Type



PAGE 2

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF

DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND

CORRECT COPY OF CERTIFICATE OF INCORPORATION OF "NUVOTRONICS,

INC." FILED IN THIS OFFICE ON THE THIRTIETH DAY OF JUNE, A.D.

2015, AT 10:37 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

5773718 8100V

150990605

You may verify this certificate online at corp.delaware.gov/authver.shtml

AUTHENT CATION: 2514499

DATE: 06-30-15

ASSIGNMENT

WHEREAS, Ian Hovey, J. Robert Reid, David Sherrer, Will Stacy and Ken Vanhille, and each one of them, hereinafter referred to as ASSIGNOR, is a named inventor of an invention entitled: "SUBSTRATE-FREE INTERCONNECTED ELECTRONIC MECHANICAL STRUCTURAL SYSTEMS" described and claimed in U.S. Provisional 61/788,675, filed March 15, 2013; and

WHEREAS, NUVOTRONICS, LLC, a limited liability company in 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 reexaminations 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

5-1-2013

Signature

IAN HOVEY

		1 Sept B
5-01-13	,	ADDED DELD
,	#	J. ROBERT REID
4/19/13	} 	
- 1/19/13		DAVID SHERRER
5/14/12		U/U/U
2/1/1/		WILLSTACY
05/01/13		1 7 7 11
05/01/13		KEN VANHILLE
		NEW VANCEE
COUNTY OF:	PULASICI	
STATE OF:	URGINIA	-
D. f		and for the country of grossid on this 18th day of 100 and 2013
personally appe	ared Ian Hovey, to me known t	and for the county aforesaid, on this $\int_{-\infty}^{\infty} day$ of $\int_{-\infty}^{\infty} \sqrt{1 - (1-a)^2} day$
		same as their free act and deed and desired the same to be recorded as
such.		NOTARY NOTARY
		REG # 7324558
		Notary Public EXPIRES
COUNTY OF:	PULASKI	05/31/2014
STATE OF:	VIRGINIA	- OY MALTH OY
Before me, the	undersigned, a notary public, in	and for the county aforesaid, on this
personally appe	ared J. Robert Reid, to me knov	wn to be the person described in and who executed the foregoing
instrument and recorded as suc	who acknowledged that they ex	xecuted the same as their free act and deed and desired the same to be
recorded as suc	11.	NOTARY NOTARY
		NOLary Public • NEG #7304FF • TT •
COUNTY OF:	Pulaski	MY COMMISSION EXPIRES
STATE OF:	Virginia	
Before me, the	undersigned, a notary public, in	and for the county aforesaid, on this 19 day of 1237 2013,
personally appe	eared David Sherrer, to me know	wn to be the person described in and who executed the foregoing
instrument and recorded as suc	-	xecuted the same as their free act and deed and desired the same to be
recorded as suc	11.	NOTAGE: NOTAGE:
		PUBLIC IN
		Notary Public
		50, 105/31/2014 · · · · · · · · · · · · · · · · · · ·
		ALTH OF VIRGINIA

COUNTY OF:	PULASKI			
STATE OF:	VIRGINIA			
personally appo	e undersigned, a notary public, in an eared Will Stacy, to me known to l owledged that they executed the sa	be the person described in and wh	desired the foregoing instituted desired the score to be record NOTARY NOTARY PUBLIC REG # 7324558	
	PULASKI VLRG(N (A undersigned, a notary public, in a			,2013,
	eared Ken Vanhille to me known to d who acknowledged that they exe ch.	-	5 5	to be

PATENT REEL: 045343 FRAME: 0610

RECORDED: 02/15/2018