

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5727668

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	COMPONENTZEE, LLC	09/14/2019
RECEIVING PARTY DATA		
Name:	CUBIC CORPORATION	
Street Address:	9333 BALBOA AVENUE	
City:	SAN DIEGO	
State/Country:	CALIFORNIA	
Postal Code:	92123	
PROPERTY NUMBERS Total: 3		
Property Type	Number	
Application Number:	16170879	
Patent Number:	10128601	
Application Number:	62327807	
CORRESPONDENCE DATA		
Fax Number:	(215)563-4044	
<i>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.</i>		
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Correspondent Name:	NIELS HAUN	
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ATTORNEY DOCKET NUMBER:	BEROZ	
NAME OF SUBMITTER:	ANTHNOY CARLIS	
SIGNATURE:	/Anthony Carlis/	
DATE SIGNED:	09/19/2019	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 25		
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PATENT ASSIGNMENT

WHEREAS, ComponentZEE, LLC is a limited liability company organized under the laws of North Carolina with a principal place of business located at 9916 Morrisville Pkwy, Apex, North Carolina, 27523, and Masud Beroz is an individual and the sole member of ComponentZEE, LLC; and

WHEREAS Nuvotronics, Inc. is a corporation organized under the laws of Delaware and registered to do business in North Carolina, with a principal place of business at 2305 Presidential Drive, Durham, North Carolina, 27703; and

WHEREAS ComponentZEE, LLC and/or Masud Beroz (collectively "Assignors") own all right, title, and interest in and to the patents and patent applications (referred to collectively as "the Patents") identified in Exhibit A, attached hereto, including the inventions described therein and the patents issued and reissued thereon, renewals of said patents, and all claims for past or future infringement thereof

WHEREAS Assignors and Nuvotronics, Inc. ("Assignee") have entered into an agreement under which Assignors agreed to sell and Assignee agreed to purchase the Patents, including the applications and renewals therefor and all claims for past or future infringement thereof;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignors do hereby sell, assign, convey and transfer unto Assignee, its successors and assigns, free and clear of any and all liens, restrictions, claims and encumbrances, Assignors' entire right, title, and interest in and to the Patents and divisions, continuations or continuations-in-part thereof, together with all rights of registration, maintenance, and protection thereof, all rights of recovery and of legal action for past or future infringements and of interference proceedings and reexaminations involving such Patents, and all rights to claim priority to the patent applications identified in Exhibit A.

Assignors further covenant that they have the full right to convey the entire interest herein assigned and that neither Masud Beroz nor ComponentZEE, LLC have executed any agreement or assignment conveying any interest in the Patents to any third party to this Assignment. Assignors further covenant that they will not execute any agreement that will conflict with the terms of this assignment.

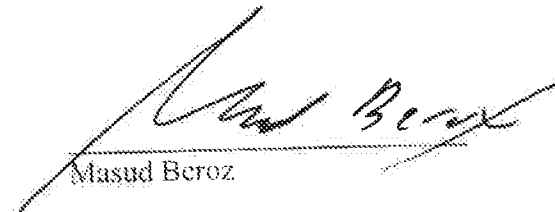
Assignors further agree to execute any further papers and do such other acts as may be necessary and proper to permit Assignee, its successors and assigns, to procure patents for the assigned invention(s), to enforce the Patents and any patents that issue therefrom, and/or to correct defects in the Patents.

This Assignment is deemed to be executed and delivered within the State of North Carolina, and it shall be construed, interpreted and applied in accordance with the laws of the State of North Carolina.

Date:

9/4/19

On Behalf of ComponentZEE, LLC and Masud Beroz


Masud Beroz

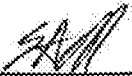
PATENT

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EXHIBIT A

- U.S. Patent No. 10,128,601
- U.S. Patent Application No. 15/895,794
- U.S. Patent Application No. 16/170,879
- U.S. Patent Application No. 62/327,807

PATENT ASSIGNMENT



Scott Meller

Date: 4/8/19

Jim Edwards

Date: _____

WHEREAS, as of Navotronics, Inc., ~~March 14, 2018~~, ^{March 14, 2019} ("Assigner"), a Delaware corporation, owns (a) all rights in patents identified on the attached Schedule A, and all patent applications filed either from such patents, patent applications or provisional applications or from an application claiming priority from any of these, including divisionals, continuations, continuations-in-part, provisionals, converted provisionals, and continued prosecution applications, (b) any and all patents that have issued or in the future issue from the foregoing patent applications, including utility models, petty patents and design patents and certificates of invention, (c) any and all extensions or restorations by existing or future extension or restoration mechanisms, including revalidations, reissues, re-examinations and extensions (including any supplementary protection certificates and the like) of the foregoing patents or patent applications), and (d) any foreign counterparts of the foregoing (hereafter the "Patents and Patent Applications");

WHEREAS, Cubic Corporation ("Assignee"), a Delaware corporation, desires to acquire all right, title, and interest in and to the Patents and Patent Applications;

NOW, THEREFORE, as of the Effective Date, in consideration for one dollar, paid by Assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor does hereby acknowledge that it has sold, assigned, and transferred, and by these presents does hereby sell, assign, and transfer, unto Assignee, its successors, legal representatives, and assigns, Assignor's entire right, title, and interest in, to, and under the said Patents and Patent Applications, and including, but not limited to the right to sue for past and future damages and seek injunctive relief for:

all inventions (hereafter "Inventions") set forth in the Patents and Patent Applications;

all patents that may be granted on the Patent Applications;

all applications that the Patents and Patent Applications may claim priority to;

all applications claiming priority to the Patents and Patent Applications, including, but not limited to, all divisions, continuations, and continuations-in-part, and all Letters Patent which may be granted thereon and all reissues, reexaminations, supplemental examinations, and extensions thereof;

all applications or patents claiming the Inventions,

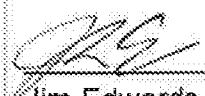
the right to file applications for patent on the Inventions, including, but not limited to, all rights under applicable laws; and

all rights of priority under applicable law and any applications for Letters Patent that may hereafter be filed or granted and all extensions, renewals, and reissues thereof.

PATENT ASSIGNMENT

Scott Meller

Date: _____



Jim Edwards

Date: 4/8/19

March 14, 2019

WHEREAS, as of Nuvotronics, Inc., ~~March 14, 2018~~, ("Assignor"), a Delaware corporation, owns (a) all rights in patents identified on the attached Schedule A, and all patent applications filed either from such patents, patent applications or provisional applications or from an application claiming priority from any of these, including divisionals, continuations, continuations-in-part, provisionals, converted provisionals, and continued prosecution applications, (b) any and all patents that have issued or in the future issue from the foregoing patent applications, including utility models, petty patents and design patents and certificates of invention, (c) any and all extensions or restorations by existing or future extension or restoration mechanisms, including revalidations, reissues, re-examinations and extensions (including any supplementary protection certificates and the like) of the foregoing patents or patent applications), and (d) any foreign counterparts of the foregoing (hereafter the "Patents and Patent Applications");

WHEREAS, Cubic Corporation ("Assignee"), a Delaware corporation, desires to acquire all right, title, and interest in and to the Patents and Patent Applications;

NOW, THEREFORE, as of the Effective Date, in consideration for one dollar, paid by Assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor does hereby acknowledge that it has sold, assigned, and transferred, and by these presents does hereby sell, assign, and transfer, unto Assignee, its successors, legal representatives, and assigns, Assignor's entire right, title, and interest in, to, and under the said Patents and Patent Applications, and including, but not limited to the right to sue for past and future damages and seek injunctive relief for:

all inventions (hereafter "Inventions") set forth in the Patents and Patent Applications;

all patents that may be granted on the Patent Applications;

all applications that the Patents and Patent Applications may claim priority to;

all applications claiming priority to the Patents and Patent Applications, including, but not limited to, all divisions, continuations, and continuations-in-part, and all Letters Patent which may be granted thereon and all reissues, reexaminations, supplemental examinations, and extensions thereof;

all applications or patents claiming the Inventions,

the right to file applications for patent on the Inventions, including, but not limited to, all rights under applicable laws; and

all rights of priority under applicable law and any applications for Letters Patent that may hereafter be filed or granted and all extensions, renewals, and reissues thereof.

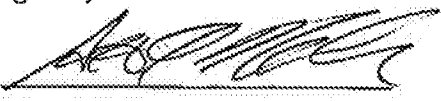
ASSIGNOR DOES HEREBY authorize and request the Commissioner of Patents of the United States, and any other applicable Official foreign or domestic whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patents resulting from the Patents and Patent Applications to Assignee, its successors, legal representatives, and assigns, in accordance with the terms of this Assignment;

AND ASSIGNOR DOES HEREBY sell, assign, transfer and convey to Assignee, its successors, legal representatives, and assigns all claims for past and future damages, including, but not limited to lost profits, royalties, and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to Assignee, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the said Patents and Patent Applications before or after issuance; and,

AND ASSIGNOR DOES HEREBY covenant and agree that Assignor will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to Assignor respecting the Patents and Patent Applications, and testify in any legal proceeding, assist in the preparation of any other documentation relating to the Patents and Patent Applications, sign/execute all lawful papers, authorize the filing of and execute and make all rightful oaths and/or declarations in connection with the Patents and Patent Applications, including, but not limited to, any patents or patent applications claiming priority thereto, and generally do everything possible to aid the Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Patents and Patent Applications in all countries.

Nuvotronics, Inc.

("Assignor")

By: 

Name Printed: Scott Meller

Title: General Manager of Nuvotronics, Inc.

Cubic Corporation

("Assignee")

By: _____

Name Printed: James R. Edwards

Title: Senior Vice President, General
Counsel & Secretary

ASSIGNOR DOES HEREBY authorize and request the Commissioner of Patents of the United States, and any other applicable Official foreign or domestic whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patents resulting from the Patents and Patent Applications to Assignee, its successors, legal representatives, and assigns, in accordance with the terms of this Assignment;

AND ASSIGNOR DOES HEREBY sell, assign, transfer and convey to Assignee, its successors, legal representatives, and assigns all claims for past and future damages, including, but not limited to lost profits, royalties, and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to Assignee, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the said Patents and Patent Applications before or after issuance; and,

AND ASSIGNOR DOES HEREBY covenant and agree that Assignor will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to Assignor respecting the Patents and Patent Applications, and testify in any legal proceeding, assist in the preparation of any other documentation relating to the Patents and Patent Applications, sign/execute all lawful papers, authorize the filing of and execute and make all rightful oaths and/or declarations in connection with the Patents and Patent Applications, including, but not limited to, any patents or patent applications claiming priority thereto, and generally do everything possible to aid the Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Patents and Patent Applications in all countries.

Nuvotronics, Inc.

("Assignor")

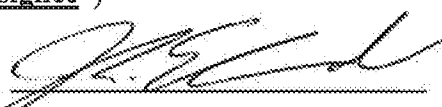
By: _____

Name Printed: Scott Meller

Title: General Manager of Nuvotronics, Inc.

Cubic Corporation

("Assignee")

By:  _____

Name Printed: James R. Edwards

Title: Senior Vice President, General
Counsel & Secretary

**SCHEDULE A
NUVOTRONICS, INC.**

Cubic Reference #	KTS File Number (Client-Matter)	NUVOTRONIC REFERENCE #	Country Code	Matter Name	Application Number	Application Date	Status	Patent Number	Issue Date
PD917 C1	077205-1129232	P05528US02	UNITED STATES	BATCH FABRICATED MICROCONNECTORS	14/468,863	8/26/2014	ISSUED	9,583,856	2/28/2017
PD917 C2	077205-1129233	P05528US03	UNITED STATES	BATCH FABRICATED MICROCONNECTORS	15/404,250	1/12/2017	PENDING		
PD917NP	077205-1129231	P05528US01	UNITED STATES	BATCH FABRICATED MICROCONNECTORS	13/490,089	6/6/2012	ISSUED	8,814,601	8/26/2014
PD918 NP	077205-1129234	P06469US02	UNITED STATES	BROADBAND ANTENNA ARRAY	16/076,354	8/8/2018	PENDING		
PD918 PCT	077205-1129394	P06469WO00	WIPO	BROADBAND ANTENNA ARRAY	PCT/US18/38214	6/19/2018	PENDING		
PD919 C1	077205-1129236	P05491US01	UNITED STATES	A COAXIAL TRANSMISSION LINE MICROSTRUCTURE INCLUDING AN ENLARGED COAXIAL PORTION	13/015,671	1/28/2011	ISSUED	8,542,079	9/24/2013
PD919 C2	077205-1129237	P05491US02	UNITED STATES	COAXIAL TRANSMISSION LINE MICROSTRUCTURE WITH A PORTION OF INCREASED TRANSVERSE DIMENSIONALITY	14/029,252	9/17/2013	ISSUED	9,000,863	4/7/2015
PD919 C3	077205-1129238	P05491US03	UNITED STATES	A TRANSITION STRUCTURE BETWEEN A RECTANGULAR COAXIAL MICROSTRUCTURE AND A CYLINDRICAL COAXIAL	14/680,345	4/7/2015	ISSUED	9,570,789	2/14/2017

PATENT

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**SCHEDULE A
NUVOTRONICS, INC.**

Cubic Reference #	KTS File Number (Client-Matter)	NUVOTRONIC REFERENCE #	Country Code	Matter Name	Application Number	Application Date	Status	Patent Number	Issue Date
PD919 C4	077205-1129239	P05491US04	UNITED STATES	METHOD OF FORMING A COAXIAL LINE MICROSTRUCTURE HAVING AN ENLARGED REGION ON A SUBSTRATE AND REMOVING THE COAXIAL LINE	15/405,799	1/13/2017	ISSUED	10,135,109	11/20/2018
PD919 C5	077205-1129240	P05491US05	UNITED STATES	COAXIAL TRANSMISSION LINE MICROSTRUCTURES AND METHODS OF	16/170,896	10/25/2018	PENDING		
PD919 DE	077205-1129323	P05491DE00.0	GERMANY	COAXIAL TRANSMISSION LINE MICROSTRUCTURES AND METHODS OF	8153138.6	3/20/2008	ISSUED	1,973,189	12/5/2012
PD919 EP	077205-1129324	P05491EP00.0	EUROPEAN	COAXIAL TRANSMISSION LINE MICROSTRUCTURES AND METHODS OF	8153138.6	3/20/2008	ISSUED	1,973,189	12/5/2012
PD919 FR	077205-1129325	P05491FR00.0	FRANCE	COAXIAL TRANSMISSION LINE MICROSTRUCTURES AND METHODS OF	8153138.6	3/20/2008	ISSUED	1,973,189	12/5/2012
PD919 KR	077205-1129327	P05491KR00	SOUTH KOREA	COAXIAL TRANSMISSION LINE MICROSTRUCTURES AND METHODS OF	10-2008-0026080	3/20/2008	ISSUED	10-1472134	12/5/2014
PD919 NP	077205-1129235	P05491US00	UNITED STATES	COAXIAL TRANSMISSION LINE MICROSTRUCTURES AND METHODS OF	12/077,546	3/20/2008	ISSUED	7,898,356	3/1/2011
PD919 UK	077205-1129326	P05491GB00.0	UNITED KINGDOM	COAXIAL TRANSMISSION LINE MICROSTRUCTURES AND METHODS OF	8153138.6	3/20/2008	ISSUED	1,973,189	12/5/2012
PD920 C1	077205-1129242	P05505US00.2	UNITED STATES	COAXIAL WAVEGUIDE MICROSTRUCTURES HAVING AN ACTIVE DEVICE AND METHODS	11/316,417	12/22/2005	ISSUED	7,148,772	12/12/2006
PATENT									

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**SCHEDULE A
NUVOTRONICS, INC.**

Cubic Reference #	KTS File Number (Client-Matter)	NUVOTRONIC REFERENCE #	Country Code	Matter Name	Application Number	Application Date	Status	Patent Number	Issue Date
PD920 C2	077205-1129243	P05505US00.3	UNITED STATES	COAXIAL WAVEGUIDE MICROSTRUCTURES HAVING AN ACTIVE DEVICE AND METHODS OF FORMATION THEREOF	11/637,629	12/12/2006	ISSUED	7,405,638	7/29/2008
PD920 C3	077205-1129244	P05505US00	UNITED STATES	COAXIAL WAVEGUIDE MICROSTRUCTURES HAVING AN ACTIVE DEVICE AND METHODS	13/085,124	4/12/2011	ISSUED	8,742,874	6/3/2014
PD920 C4	077205-1129245	P05505US01	UNITED STATES	COAXIAL WAVEGUIDE MICROSTRUCTURE HAVING CENTER AND OUTER CONDUCTORS CONFIGURED IN A	14/293,696	6/2/2014	ISSUED	9,312,589	4/12/2016
PD920 C5	077205-1129246	P05505US02	UNITED STATES	COAXIAL WAVEGUIDE MICROSTRUCTURES HAVING CONDUCTORS FORMED BY PLURAL	15/079,614	3/24/2016	ISSUED	10,074,885	9/11/2018
PD920 C6	077205-1129247	P05505US03	UNITED STATES	COAXIAL WAVEGUIDE MICROSTRUCTURES HAVING AN ACTIVE DEVICE AND METHODS	16/107,429	8/21/2018	PENDING		
PD920 CN	077205-1129328	P05505CN00	CHINA	COAXIAL WAVEGUIDE MICROSTRUCTURES AND METHODS OF FORMATION THEREOF	200480012012	3/4/2004	ISSUED	ZL200480012 012.0	3/20/2013
PD920 DE	077205-1129329	P05505DE00.0	GERMANY	COAXIAL WAVEGUIDE MICROSTRUCTURES AND METHODS OF FORMATION THEREOF	4717433.9	3/4/2004	ISSUED	1,609,206	7/28/2010
PD920 DE	077205-1129330	P05505DE00	GERMANY	COAXIAL WAVEGUIDE MICROSTRUCTURES AND METHODS OF FORMATION THEREOF	60 2004 053 096	3/4/2004	ISSUED	2,395,598	8/22/2018

PATENT

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**SCHEDULE A
NUVOTRONICS, INC.**

Cubic Reference #	KTS File Number (Client-Matter)	NUVOTRONIC REFERENCE #	Country Code	Matter Name	Application Number	Application Date	Status	Patent Number	Issue Date
PD920 EP	077205-1129331	P05505EP00	EUROPEAN	COAXIAL WAVEGUIDE MICROSTRUCTURES AND METHODS OF FORMATION THEREOF	10170680.2	3/4/2004	ISSUED	2,395,598	8/22/2018
PD920 EP	077205-1129332	P05505EP00.0	EUROPEAN	COAXIAL WAVEGUIDE MICROSTRUCTURES AND METHODS OF FORMATION THEREOF	4717433.9	3/4/2004	ISSUED	1,609,206	7/28/2010
PD920 FR	077205-1129333	P05505FR00.0	FRANCE	COAXIAL WAVEGUIDE MICROSTRUCTURES AND METHODS OF FORMATION THEREOF	4717433.9	3/4/2004	ISSUED	1,609,206	7/28/2010
PD920 HK	077205-1129336	P05505HK00	HONG KONG	COAXIAL WAVEGUIDE MICROSTRUCTURES AND METHODS OF FORMATION THEREOF	6110925.3	3/4/2004	ISSUED	HK1090471	12/6/2013
PD920 NP	077205-1129241	P05505US00.4	UNITED STATES	COAXIAL WAVEGUIDE MICROSTRUCTURES AND METHODS OF FORMATION THEREOF	10/793,574	3/4/2004	ISSUED	7,012,489	3/14/2006
PD920 TW	077205-1129337	P05505TW00	TAIWAN	COAXIAL WAVEGUIDE MICROSTRUCTURES AND METHODS OF FORMATION THEREOF	93105667	3/4/2004	ISSUED	I 238513	8/21/2005
PD920 UK	077205-1129334	P05505GB00.0	UNITED KINGDOM	COAXIAL WAVEGUIDE MICROSTRUCTURES AND METHODS OF FORMATION THEREOF	4717433.9	3/4/2004	ISSUED	1,609,206	7/28/2010
PD920 UK	077205-1129335	P05505GB01	UNITED KINGDOM	COAXIAL WAVEGUIDE MICROSTRUCTURES AND METHODS OF FORMATION THEREOF	10170680.2	3/4/2004	ISSUED	2,395,598	8/22/2018
PATENT									

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**SCHEDULE A
NUVOTRONICS, INC.**

Cubic Reference #	KTS File Number (Client-Matter)	NUVOTRONIC REFERENCE #	Country Code	Matter Name	Application Number	Application Date	Status	Patent Number	Issue Date
PD921 NP	077205-1129248		UNITED STATES	COAXIAL WAVEGUIDE MICROSTRUCTURE HAVING CONDUCTIVE	12/214,785	6/20/2008	ISSUED	7,948,335	5/24/2011
PD922 NP	077205-1129249	P06457US02	UNITED STATES	CTE COMPENSATION FOR WAFER-LEVEL AND CHIP- SCALE PACKAGES AND ASSEMBLIES	15/651,531	7/17/2017	PENDING		
PD923 C1	077205-1129251	P05498US01	UNITED STATES	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	10/941,668	9/15/2004	ISSUED	7,329,056	2/12/2008
PD923 C2	077205-1129252	P05498US02	UNITED STATES	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	12/944,040	11/11/2010	ISSUED	8,703,603	4/22/2014
PD923 C3	077205-1129253	P05498US03	UNITED STATES	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	14/258,358	4/22/2014	ISSUED	8,993,450	3/31/2015
PD923 C4	077205-1129254	P05498US04	UNITED STATES	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	14/657,131	3/13/2015	ISSUED	9,410,799	8/9/2016
PD923 C5	077205-1129255	P05498US05	UNITED STATES	PACKAGE AND METHODS FOR THE FABRICATION AND TESTING THEREOF	15/230,944	8/8/2016	ISSUED	9,647,420	5/9/2017
PD923 C6	077205-1129256	P05498US06	UNITED STATES	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	15/584,542	5/2/2017	ISSUED	9,817,199	11/14/2017
PD923 C7	077205-1129257	P05498US07	UNITED STATES	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	15/802,046	11/2/2017	PENDING		
PATENT									

REEL: 050440 FRAME: 0754

**SCHEDULE A
NUVOTRONICS, INC.**

Cubic Reference #	KTS File Number (Client-Matter)	NUVOTRONIC REFERENCE #	Country Code	Matter Name	Application Number	Application Date	Status	Patent Number	Issue Date
PD923 CA - DIV	077205-1129347	P05498CA01	CANADA	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	2,481,616	9/15/2004	ISSUED	2,481,616	1/8/2013
PD923 CA – DIV 2	077205-1129348	P05498CA02	CANADA	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	2,793,031	9/15/2004	ISSUED	2,793,031	6/2/2015
PD923 CA – DIV 3	077205-1129349	P05498CA03	CANADA	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	2,884,972	9/15/2004	ISSUED	2,884,972	11/1/2016
PD923 CA – DIV 4	077205-1129350	P05498CA04	CANADA	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	2,481,637	9/15/2004	ISSUED	2,481,637	5/13/2014
PD923 CA – DIV 5	077205-1129351	P05498CA05	CANADA	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	2,843,395	9/15/2004	ISSUED	2,843,395	8/16/2016
PD923 CN	077205-1129352	P05498CN00	CHINA	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	200410082073.6	9/15/2004	ISSUED	2,481,637	5/7/2008
PD923 CN - DIV 2	077205-1129354	P05498CN02	CHINA	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	200410082074.0	9/15/2004	ISSUED	2,481,637	4/2/2008
PD923 CN – DIV 1	077205-1129353	P05498CN01	CHINA	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	200710104072.0	9/15/2004	ISSUED	2,481,637	9/9/2009
PD923 CN – DIV 3	077205-1129355	P05498CN03	CHINA	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	200710126459.6	9/15/2004	ISSUED	2,481,637	7/8/2009
PD923 DE	077205-1129338	P05498DE00	GERMANY	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	4255516.9	9/13/2004	ISSUED	60 2004 048 096.7	10/21/2015
PD923 DE - 1	077205-1129339	P05498DE01	GERMANY	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	4255517.7	9/13/2004	ISSUED	60 2004 049 031.8	4/13/2016

PATENT

REEL: 050440 FRAME: 0755

**SCHEDULE A
NUVOTRONICS, INC.**

Cubic Reference #	KTS File Number (Client-Matter)	NUVOTRONIC REFERENCE #	Country Code	Matter Name	Application Number	Application Date	Status	Patent Number	Issue Date
PD923 DIV 1	077205-1129258	P05498US00.1	UNITED STATES	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	11/590,099	10/31/2006	ISSUED	7,888,793	2/15/2011
PD923 DIV 2	077205-1129259	P05498US00.2	UNITED STATES	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	11/590,592	10/31/2006	ISSUED	7,449,784	11/11/2008
PD923 DIV 3	077205-1129260	P05498US00.3	UNITED STATES	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	11/590,629	10/31/2006	ISSUED	7,508,065	3/24/2009
PD923 EP - 2	077205-1129340	P05498EP02	EUROPEAN	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	15171706.3	9/13/2004	PENDING		
PD923 FR	077205-1129341	P05498FR00	FRANCE	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	4255516.9	9/13/2004	ISSUED	1,517,166	10/21/2015
PD923 FR - 1	077205-1129342	P05498FR01	FRANCE	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	4255517.7	9/13/2004	ISSUED	1,515,364	4/13/2016
PD923 JP	077205-1129345	P05498JP00	JAPAN	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	2004-267167	9/14/2004	ISSUED	5002123	5/25/2012
PD923 JP - 1	077205-1129346	P05498JP02	JAPAN	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	2004-267295	9/14/2004	ISSUED	4911885	1/27/2012
PD923 KR - DIV 1	077205-1129356	P05498KR01	SOUTH KOREA	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	10-2012-0030590	9/15/2004	ISSUED	10-1264048	5/7/2013
PD923 KR - DIV -2	077205-1129357	P05498KR02	SOUTH KOREA	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	10-2004-0073928	9/15/2004	ISSUED	10-1131654	3/22/2012
PD923 KR - DIV 3	077205-1129358	P05498KR03	SOUTH KOREA	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	10-2011-0095176	9/21/2011	ISSUED	10-1194532	10/18/2012

PATENT

REEL: 050440 FRAME: 0756

**SCHEDULE A
NUVOTRONICS, INC.**

Cubic Reference #	KTS File Number (Client-Matter)	NUVOTRONIC REFERENCE #	Country Code	Matter Name	Application Number	Application Date	Status	Patent Number	Issue Date
PD923 KR -DIV -4	077205-1129359	P05498KR04	SOUTH KOREA	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	10-2004-0073927	9/15/2004	ISSUED	10-1146019	5/7/2012
PD923 NP	077205-1129250	P05498US00	UNITED STATES	DEVICE PACKAGE AND METHOD FOR THE FABRICATION AND	10/941,667	9/15/2004	ISSUED	7,129,163	10/31/2006
PD923 TW	077205-1129360	P05498TW00	TAIWAN	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	93127827	9/15/2004	ISSUED	1253761	4/21/2006
PD923 TW - C1	077205-1129361	P05498TW01	TAIWAN	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	93127829	9/15/2004	ISSUED	1241722	10/11/2005
PD923 UK	077205-1129343	P05498GB00	UNITED KINGDOM	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	4255516.9	9/13/2004	ISSUED	1,517,166	10/21/2015
PD923 UK -1	077205-1129344	P05498GB01	UNITED KINGDOM	DEVICE PACKAGE AND METHODS FOR THE FABRICATION AND	4255517.7	9/13/2004	ISSUED	1,515,364	4/13/2016
PD924 NP	077205-1129261	P05716US01	UNITED STATES	DEVICE PACKAGE AND METHODS FOR THE FABRICATION THEREOF	13/237,931	9/20/2011	ISSUED	8,969,132	3/3/2015
PD925 C1	077205-1129263	P05529US03	UNITED STATES	DEVICES AND METHODS FOR SOLDER FLOW CONTROL IN THREE-	15/341,378	11/2/2016	ISSUED	10,076,042	9/11/2018
PD925 DIV 1	077205-1129264	P05529US02	UNITED STATES	DEVICES AND METHODS FOR SOLDER FLOW CONTROL IN THREE-	14/494,716	9/24/2014	ISSUED	9,505,613	11/29/2016
PD925NP	077205-1129262	P05529US01	UNITED STATES	DEVICES AND METHODS FOR SOLDER FLOW CONTROL IN THREE-	13/488,991	6/5/2012	ISSUED	8,866,300	10/21/2014
PATENT									

REEL: 050440 FRAME: 0757

**SCHEDULE A
NUVOTRONICS, INC.**

Cubic Reference #	KTS File Number (Client-Matter)	NUVOTRONIC REFERENCE #	Country Code	Matter Name	Application Number	Application Date	Status	Patent Number	Issue Date
PD926 C1	077205-1129266	P05921US02	UNITED STATES	DIELECTRIC-FREE METAL- ONLY DIPOLE-COUPLED RADIATING ARRAY	15/602,353	5/23/2017	ISSUED	10,008,779	6/26/2018
PD926 C2	077205-1129267	P05921US03	UNITED STATES	DIELECTRIC-FREE METAL- ONLY DIPOLE-COUPLED RADIATING ARRAY	16/017,410	6/25/2018	PENDING		
PD926 NP	077205-1129265	P05921US01	UNITED STATES	DIELECTRIC-FREE METAL- ONLY DIPOLE-COUPLED BROADBAND RADIATING ARRAY	14/567,655	12/11/2014	ISSUED	10,027,030	7/17/2018
PD927 NP	077205-1129268	P06051US00	UNITED STATES	FORMULATION FOR PACKAGING AN ELECTRONIC DEVICE AND ASSEMBLIES MADE	13/843,505	3/15/2013	ISSUED	9,337,152	5/10/2016
PD928 C1	077205-1129270	P05660US02	UNITED STATES	HIGH FREQUENCY POWER COMBINER/DIVIDER	14/741,775	6/17/2015	ISSUED	9,490,517	11/8/2016
PD928 NP	077205-1129269	P05660US01	UNITED STATES	HIGH FREQUENCY POWER COMBINER/DIVIDER	13/726,073	12/22/2012	ISSUED	9,065,163	6/23/2015
PD929 C1	077205-1129272	P05990US01	UNITED STATES	HOLLOW CORE COAXIAL CABLES AND METHODS	14/804,203	7/20/2015	ISSUED	9,570,787	2/14/2017
PD929 NP	077205-1129271	P05990US00	UNITED STATES	HOLLOW CORE COAXIAL CABLES AND METHODS	13/183,409	7/14/2011	ISSUED	9,088,074	7/21/2015
PD930 NP	077205-1129273	P06482US00	UNITED STATES	INTEGRATED CHIP SCALE PACKAGES	15/829,288	12/1/2017	PENDING		
PD930PCT	077205-1129395	P06482WO00	WIPO	INTEGRATED CHIP SCALE PACKAGES	PCT/US18/61961	11/20/2018	PENDING		

PATENT

REEL: 050440 FRAME: 0758

**SCHEDULE A
NUVOTRONICS, INC.**

Cubic Reference #	KTS File Number (Client-Matter)	NUVOTRONIC REFERENCE #	Country Code	Matter Name	Application Number	Application Date	Status	Patent Number	Issue Date
PD931 C1	077205-1129275	P05492US02	UNITED STATES	INTEGRATED ELECTRONIC COMPONENTS AND	13/733,565	1/3/2013	ISSUED	9,024,417	5/5/2015
PD931 C2	077205-1129276	P05492US03	UNITED STATES	INTEGRATED ELECTRONIC COMPONENTS AND	14/695,298	4/24/2015	ISSUED	10,002,818	6/19/2018
PD931 C3	077205-1129277	P05492US04	UNITED STATES	INTEGRATED ELECTRONIC COMPONENTS AND	15/811,038	11/13/2017	PENDING		
PD931 EP – DIV 1	077205-1129362	P05492EP01	EUROPEAN	INTEGRATED ELECTRONIC COMPONENTS AND	16177859.2	3/20/2008	PENDING		
PD931 KR – C1	077205-1129364	P05492KR00	SOUTH KOREA	INTEGRATED ELECTRONIC COMPONENTS AND	10-2008-0026087	3/20/2008	ISSUED	10-1593686	2/3/2016
PD931 KR – DIV 1	077205-1129363	P05492KR01	SOUTH KOREA	INTEGRATED ELECTRONIC COMPONENTS AND	10-2014-0136694	3/20/2008	ISSUED	10-1609472	3/30/2016
PD931 NP	077205-1129274	P05492US00	UNITED STATES	INTEGRATED ELECTRONIC COMPONENTS AND	12/077,547	3/20/2008	ISSUED	7,755,174	7/13/2010
PD932 C1	077205-1129279	P05552US02	UNITED STATES	METHODS OF FABRICATING	16/002,025	6/7/2018	PENDING		
PD932 EP	077205-1129365	P05552EP00	EUROPEAN	METHODS OF FABRICATING ELECTRONIC AND MECHANICAL STRUCTURES	12811132.5	7/13/2012	PENDING		
PD932 JP	077205-1129366	P05552JP00	JAPAN	METHODS OF FABRICATING ELECTRONIC AND MECHANICAL STRUCTURES	2014-520380	7/13/2012	ISSUED	6335782	5/11/2018
PD932 JP – DIV 1	077205-1129367	P05552JP01	JAPAN	METHODS OF FABRICATING	2018-087931	7/13/2012	PENDING		
PD932 KR	077205-1129368	P05552KR00	SOUTH KOREA	METHODS OF FABRICATING	10-2013-7035135	7/13/2012	PENDING		
PD932 NP	077205-1129278	P05552US01	UNITED STATES	METHODS OF FABRICATING ELECTRONIC AND	14/232,396	5/5/2014	ISSUED	9,993,982	6/12/2018

PATENT

REEL: 050440 FRAME: 0759

**SCHEDULE A
NUVOTRONICS, INC.**

Cubic Reference #	KTS File Number (Client-Matter)	NUVOTRONIC REFERENCE #	Country Code	Matter Name	Application Number	Application Date	Status	Patent Number	Issue Date
PD933 NP	077205-1129282	P06344US01	UNITED STATES	MICROWAVE DIGITAL PHASE SHIFTERS	15/622,185	6/14/2017	PENDING		
PD934 PROV	077205-1129313	P06566US00	UNITED STATES	MICROWAVE/MILLIMETE R-WAVE WAVEGUIDE TO CIRCUIT BOARD CONNECTOR	62/662,382	4/25/2018	PENDING		
PD935 NP	077205-1129283	P06266US01	UNITED STATES	MULTIBAND ANTENNA WITH PHASE-CENTER CO- ALLOCATED FEED	15/373,016	12/8/2016	PENDING		
PD936 NP	077205-1129284	P05612US03	UNITED STATES	MULTILAYER BUILD PROCESSES AND DEVICES	15/461,860	3/17/2017	PENDING		
PD937 C1	077205-1129286	P05684US02	UNITED STATES	MULTI-LAYER DIGITAL ELLIPTIC FILTER AND	15/133,422	4/20/2016	ISSUED	9,608,303	3/28/2017
PD937 NP	077205-1129285	P05684US01	UNITED STATES	MULTI-LAYER DIGITAL ELLIPTIC FILTER AND	14/161,987	1/23/2014	ISSUED	9,325,044	4/26/2016
PD938 NP	077205-1129287	P06284US00	UNITED STATES	OPTICAL DEVICE PACKAGE	11/503,023	8/11/2006	ISSUED	8,399,897	3/19/2013
PD939 NP	077205-1129288	P05639US00	UNITED STATES	SMART POWER COMBINER	13/712,676	12/12/2012	ISSUED	8,952,752	2/10/2015

PATENT

REEL: 050440 FRAME: 0760

SCHEDULE A
NUVOTRONICS, INC.

Cubic Reference #	KTS File Number (Client-Matter)	NUVOTRONIC REFERENCE #	Country Code	Matter Name	Application Number	Application Date	Status	Patent Number	Issue Date
PD940 NP	077205-1129289	P06233US01	UNITED STATES	STACKED, SWITCHED FILTER BANKS	15/218,574	7/25/2016	ISSUED	9,660,614	5/23/2017
PD941	077205-1129293		UNITED STATES	STRUCTURES AND METHODS FOR INTERCONNECTS AND ASSOCIATED ALIGNMENT AND ASSEMBLY MECHANISMS FOR AND BETWEEN CHIPS, COMPONENTS, AND 3D SYSTEMS	16/257,887	1/25/2019	PENDING		
PD941 C1	077205-1129291	P05724US02	UNITED STATES	STRUCTURES AND METHODS FOR INTERCONNECTS AND ASSOCIATED ALIGNMENT AND ASSEMBLY MECHANISMS FOR AND	15/074,083	3/18/2016	PENDING		
PD941 C2	077205-1129292	P05724US03	UNITED STATES	STRUCTURES AND METHODS FOR INTERCONNECTS AND ASSOCIATED ALIGNMENT AND ASSEMBLY MECHANISMS FOR AND BETWEEN CHIPS	15/861,283	1/3/2018	PENDING		
PD941 C3	077205-1129292	P05724US03	UNITED STATES	STRUCTURES AND METHODS FOR INTERCONNECTS AND ASSOCIATED ALIGNMENT AND ASSEMBLY MECHANISMS FOR AND BETWEEN CHIPS	16/257,887	1/25/2019	PENDING		
PATENT									

REEL: 050440 FRAME: 0761

**SCHEDULE A
NUVOTRONICS, INC.**

Cubic Reference #	KTS File Number (Client-Matter)	NUVOTRONIC REFERENCE #	Country Code	Matter Name	Application Number	Application Date	Status	Patent Number	Issue Date
PD941 NP	077205-1129290	P05724US01	UNITED STATES	A MICROSTRUCTURE INCLUDING MICROSTRUCTURAL WAVEGUIDE ELEMENTS AND/OR IC CHIPS THAT ARE MECHANICALLY INTERCONNECTED TO	14/211,749	3/14/2014	ISSUED	9,306,255	4/5/2016
PD942 C1	077205-1129295	P05713US02	UNITED STATES	SUBSTRATE-FREE INTERCONNECTED ELECTRONIC MECHANICAL	15/069,325	3/14/2016	ISSUED	9,888,600	2/6/2018
PD942 C2	077205-1129296	P05713US03	UNITED STATES	SUBSTRATE-FREE INTERCONNECTED ELECTRONIC MECHANICAL	15/854,917	12/27/2017	PENDING		
PD942 NP	077205-1129294	P05713US01	UNITED STATES	SUBSTRATE-FREE MECHANICAL INTERCONNECTION OF ELECTRONIC SUB-	14/211,407	3/14/2014	ISSUED	9,306,254	4/5/2016
PD943 EP	077205-1129369	P05943EP00	EUROPEAN	SYSTEMS AND METHODS FOR MANUFACTURING STACKED CIRCUITS AND TRANSMISSION LINES	15866454	12/1/2015	PENDING		
PD943 NP	077205-1129297	P05943US01	UNITED STATES	SYSTEMS AND METHODS FOR MANUFACTURING STACKED CIRCUITS AND TRANSMISSION LINES	15/532,291	6/1/2017	PENDING		
PD944 EP	077205-1129370	P05567EP00	EUROPEAN	THERMAL MANAGEMENT	11735285.6	1/22/2011	ISSUED	2,524,413	12/26/2018
PATENT									

REEL: 050440 FRAME: 0762

**SCHEDULE A
NUVOTRONICS, INC.**

Cubic Reference #	KTS File Number (Client-Matter)	NUVOTRONIC REFERENCE #	Country Code	Matter Name	Application Number	Application Date	Status	Patent Number	Issue Date
PD944 JP	077205-1129371	P05567JP00	JAPAN	THERMAL MANAGEMENT	2012-550182	1/22/2011	ISSUED	5639194	10/31/2014
PD944 KR	077205-1129372	P05567KR00	SOUTH KOREA	THERMAL MANAGEMENT	10-2012-7021693	1/22/2011	ISSUED	1796098	11/3/2017
PD944 KR – DIV 1	077205-1129373	P05567KR01	SOUTH KOREA	THERMAL MANAGEMENT	10-2017-7031855	1/22/2011	PENDING		
PD944 NP	077205-1129298	P05567US00	UNITED STATES	THERMAL MANAGEMENT	13/011,889	1/22/2011	ISSUED	8,717,124	5/6/2014
PD945 NP	077205-1129299		UNITED STATES	THREE-DIMENSIONAL MATRIX STRUCTURE FOR DEFINING A COAXIAL TRANSMISSION LINE CHANNEL	12/713,946	2/26/2010	ISSUED	8,659,371	2/25/2014
PD946 CN	077205-1129376	P05645CN00	CHINA	THREE DIMENSIONAL MICROSTRUCTURES AND METHODS OF FORMATION THEREOF	200710093281.X	12/28/2007	ISSUED	ZL 200710093	11/21/2012
PD947 C1	077205-1129302	P05507US00	UNITED STATES	THREE-DIMENSIONAL MICROSTRUCTURES AND METHODS OF FORMATION THEREOF	12/608,870	10/29/2009	ISSUED	8,031,037	10/4/2011
PD947 C2	077205-1129303	P05507US01	UNITED STATES	THREE-DIMENSIONAL MICROSTRUCTURES HAVING A RE-ENTRANT SHAPE APERTURE AND	13/219,736	8/29/2011	ISSUED	8,933,769	1/13/2015
PATENT									

REEL: 050440 FRAME: 0763

**SCHEDULE A
NUVOTRONICS, INC.**

Cubic Reference #	KTS File Number (Client-Matter)	NUVOTRONIC REFERENCE #	Country Code	Matter Name	Application Number	Application Date	Status	Patent Number	Issue Date
PD947 C3	077205-1129304	P05507US02	UNITED STATES	A THREE-DIMENSIONAL MICROSTRUCTURE HAVING A FIRST DIELECTRIC ELEMENT	14/563,018	12/8/2014	ISSUED	9,515,364	12/6/2016
PD947 DE	077205-1129377	P05507DE00	GERMANY	THREE-DIMENSIONAL MICROSTRUCTURES AND METHODS OF FORMATION THEREOF	7150463.3	12/28/2007	ISSUED	60 2007 047 584.4	8/24/2016
PD947 EP	077205-1129378	P05507EP00	EUROPEAN	THREE-DIMENSIONAL MICROSTRUCTURES AND METHODS OF FORMATION THEREOF	7150463.3	12/28/2007	ISSUED	1,939,137	8/24/2016
PD947 FR	077205-1129379	P05507FR00	FRANCE	THREE-DIMENSIONAL MICROSTRUCTURES AND METHODS OF FORMATION THEREOF	7150463.3	12/28/2007	ISSUED	1,939,137	8/24/2016
PD947 KR	077205-1129381	P05507KR00	SOUTH KOREA	THREE-DIMENSIONAL MICROSTRUCTURES AND METHODS OF FORMATION THEREOF	10-2007-0141058	12/28/2007	ISSUED	10-1476438	12/18/2014
PD947 NP	077205-1129301	P05507US00.2	UNITED STATES	THREE-DIMENSIONAL MICROSTRUCTURES HAVING AN EMBEDDED SUPPORT MEMBER WITH	12/005,936	12/28/2007	ISSUED	7,656,256	2/2/2010
PD947 TW	077205-1129382	P05507TW00	TAIWAN	THREE-DIMENSIONAL MICROSTRUCTURES AND METHODS OF FORMATION THEREOF	96150717	12/28/2007	ISSUED	1364399	5/21/2012
PD947 UK	077205-1129380	P05507GB00	UNITED KINGDOM	THREE-DIMENSIONAL MICROSTRUCTURES AND METHODS OF FORMATION THEREOF	7150463.3	12/28/2007	ISSUED	1,939,137	8/24/2016

PATENT

REEL: 050440 FRAME: 0764

**SCHEDULE A
NUVOTRONICS, INC.**

Cubic Reference #	KTS File Number (Client-Matter)	NUVOTRONIC REFERENCE #	Country Code	Matter Name	Application Number	Application Date	Status	Patent Number	Issue Date
PD948 C1	077205-1129306	P05667US01	UNITED STATES	THREE-DIMENSIONAL MICROSTRUCTURES	14/253,061	4/15/2014	ISSUED	9,136,575	9/15/2015
PD948 C2	077205-1129307	P05667US02	UNITED STATES	THREE-DIMENSIONAL MICROSTRUCTURES	14/845,385	9/4/2015	ISSUED	9,413,052	8/9/2016
PD948 C3	077205-1129308	P05667US03	UNITED STATES	THREE-DIMENSIONAL MICROSTRUCTURES	15/222,115	7/28/2016	ISSUED	9,843,084	12/12/2017
PD948 C4	077205-1129309	P05667US04	UNITED STATES	THREE-DIMENSIONAL MICROSTRUCTURES	15/809,701	11/10/2017	PENDING		
PD948 DE	077205-1129383	P05667DE00	GERMANY	THREE-DIMENSIONAL MICROSTRUCTURES	11801527	7/2/2011	ISSUED	60 2011 051 829.1	
PD948 EP	077205-1129384	P05667EP00	EUROPEAN	THREE-DIMENSIONAL MICROSTRUCTURES	11801527	7/2/2011	ISSUED	2,589,105	9/5/2018
PD948 FR	077205-1129385	P05667FR00	FRANCE	THREE-DIMENSIONAL MICROSTRUCTURES	11801527	7/2/2011	ISSUED	2,589,105	9/5/2018
PD948 HK	077205-1129387	P05667HK00	HONG KONG	THREE-DIMENSIONAL MICROSTRUCTURES	13112218.6	7/2/2011	PENDING		

PATENT

REEL: 050440 FRAME: 0765

**SCHEDULE A
NUVOTRONICS, INC.**

Cubic Reference #	KTS File Number (Client-Matter)	NUVOTRONIC REFERENCE #	Country Code	Matter Name	Application Number	Application Date	Status	Patent Number	Issue Date
PD948 KR	077205-1129388	P05667KR00	SOUTH KOREA	THREE-DIMENSIONAL MICROSTRUCTURES	10-2013-7002791	7/2/2011	ISSUED	1786970	10/11/2017
PD948 KR – DIV 1	077205-1129389	P05667KR01	SOUTH KOREA	THREE-DIMENSIONAL MICROSTRUCTURES	10-2017-7028804	7/2/2011	ISSUED	1853599	4/24/2018
PD948 KR – DIV 2	077205-1129390	P05667KR02	SOUTH KOREA	THREE-DIMENSIONAL MICROSTRUCTURES	10-2018-7011442	7/2/2011	ISSUED	1902558	9/19/2018
PD948 NP	077205-1129305	P05667US00	UNITED STATES	THREE-DIMENSIONAL MICROSTRUCTURES	13/176,740	7/5/2011	ISSUED	8,698,577	4/15/2014
PD948 UK	077205-1129386	P05667GB00	UNITED KINGDOM	THREE-DIMENSIONAL MICROSTRUCTURES	11801527	7/2/2011	ISSUED	2,589,105	9/5/2018
PD949 EP	077205-1129391	P05919EP00	EUROPEAN	WAFER SCALE TEST INTERFACE UNIT: LOW LOSS AND HIGH ISOLATION DEVICES AND METHODS FOR HIGH- SPEED AND HIGH- DENSITY MIXED SIGNAL INTERCONNECTS AND CONTACTORS	15737790.4	1/16/2015	PENDING		

PATENT

REEL: 050440 FRAME: 0766

**SCHEDULE A
NUVOTRONICS, INC.**

Cubic Reference #	KTS File Number (Client-Matter)	NUVOTRONIC REFERENCE #	Country Code	Matter Name	Application Number	Application Date	Status	Patent Number	Issue Date
PD949 JP	077205-1129392	P05919JP00	JAPAN	WAFER SCALE TEST INTERFACE UNIT: LOW LOSS AND HIGH ISOLATION DEVICES AND METHODS FOR HIGH- SPEED AND HIGH- DENSITY MIXED SIGNAL INTERCONNECTS AND CONTACTORS	2016-565116	1/16/2015	PENDING		
PD949 KR	077205-1129393	P05919KR00	SOUTH KOREA	WAFER SCALE TEST INTERFACE UNIT: LOW LOSS AND HIGH ISOLATION DEVICES AND METHODS FOR HIGH- SPEED AND HIGH- DENSITY MIXED SIGNAL INTERCONNECTS AND CONTACTORS	10-2016-7022299	1/16/2015	PENDING		
PD949 NP	077205-1129310	P05919US01	UNITED STATES	WAFER SCALE TEST INTERFACE UNIT AND CONTACTORS	15/111,252	7/13/2016	PENDING		
PD950 NP	077205-1129311	P05715US01	UNITED STATES	A WAVEGUIDE BALUN HAVING WAVEGUIDE STRUCTURES DISPOSED OVER A GROUND PLANE SURFACE AND HAVING PROBES LOCATED IN CHANNELS	13/011,886	1/22/2011	ISSUED	8,917,150	12/23/2014
PD951 CIP	077205-1129281	P03109US01	UNITED STATES	MICROSTRUCTURES COMPRISING A DIELECTRIC LAYER AND A THIN CONDUCTIVE LAYER	10/790,339	3/1/2004	ISSUED	7,026,697	4/11/2006

PATENT

REEL: 050440 FRAME: 0767

**SCHEDULE A
NUVOTRONICS, INC.**

Cubic Reference #	KTS File Number (Client-Matter)	NUVOTRONIC REFERENCE #	Country Code	Matter Name	Application Number	Application Date	Status	Patent Number	Issue Date
PD951 NP	077205-1129280	P03109US00	UNITED STATES	MICROSTRUCTURES COMPRISING SILICON NITRIDE LAYER AND THIN CONDUCTIVE POLYSILICON LAYER	09/541,394	3/31/2000	ISSUED	6,698,295	3/2/2004
PD952 KR	077205-1129374	P05554KR00	SOUTH KOREA	THREE DIMENSIONAL MICROSTRUCTURES AND METHODS OF FORMATION THEREOF	10-2007-0141057	12/28/2007	ISSUED	10-1491851	2/3/2015
PD952 NP	077205-1129300	P05554US01	UNITED STATES	THREE-DIMENSIONAL MICROSTRUCTURES HAVING AN EMBEDDED AND MECHANICALLY LOCKED SUPPORT MEMBER AND METHOD OF FORMATION THEREOF	12/005,885	12/28/2007	ISSUED	7,649,432	1/19/2010
PD952 TW	077205-1129375	P05554TW00	TAIWAN	THREE DIMENSIONAL MICROSTRUCTURES AND METHODS OF FORMATION THEREOF	96150718	12/28/2007	ISSUED	1445242	7/11/2014

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