

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4156270

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MARCIE R. BLACK	12/19/2012
JOANNE FORZIATI	12/19/2012
MICHAEL JURA	12/20/2012
JEFFREY B. MILLER	12/19/2012
BRIAN P. MURPHY	01/11/2013
ADAM STANDLEY	12/20/2012
RECEIVING PARTY DATA	
Name:	BANDGAP ENGINEERING, INC.
Street Address:	6 GILL STREET
City:	WOBURN
State/Country:	MASSACHUSETTS
Postal Code:	01801
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14468219
CORRESPONDENCE DATA	
Fax Number:	(617)395-7070
<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>	
Phone:	(617) 395-7048
Email:	GKGPatents@LALaw.com
Correspondent Name:	LANDO & ANASTASI, LLP
Address Line 1:	RIVERFRONT OFFICE PARK
Address Line 2:	ONE MAIN STREET, SUITE 1100
Address Line 4:	CAMBRIDGE, MASSACHUSETTS 02142
ATTORNEY DOCKET NUMBER:	B2138-700540
NAME OF SUBMITTER:	GREGORY K. GERSTENZANG
SIGNATURE:	/Gregory K. Gerstenzang/
DATE SIGNED:	11/23/2016

Total Attachments: 8

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ASSIGNMENT

WHEREAS, we, **Marcie R. BLACK**, a citizen of The United States of America, having a mailing address at 6 Gill Street, Woburn, Massachusetts 01801, USA; **Joanne FORZIATI**, a citizen of The United States of America, having a mailing address at 6 Gill Street, Woburn, Massachusetts 01801, USA; **Michael JURA**, a citizen of The United States of America, having a mailing address at 6 Gill Street, Woburn, Massachusetts 01801, USA; **Jeff MILLER**, a citizen of The United States of America, having a mailing address at 6 Gill Street, Woburn, Massachusetts 01801, USA; **Brian MURPHY**, a citizen of The United States of America, having a mailing address at 6 Gill Street, Woburn, Massachusetts 01801, USA; and **Adam STANDLEY**, a citizen of The United States of America, having a mailing address at 6 Gill Street, Woburn, Massachusetts 01801, USA, are Inventors of certain new and useful inventions and discoveries entitled "ELECTRICAL CONTACTS TO NANOSTRUCTURED AREAS" also identified as Attorney Docket Number 2202288.00131 US2, the specification of which was filed with the United States Patent and Trademark Office on September 19, 2012 and has been assigned Serial Number 13/622,864.

WHEREAS, Bandgap Engineering, Inc., whose address is 6 Gill Street, Woburn, Massachusetts 01801, United States of America, which, together with its successors and assigns is hereinafter called "ASSIGNEE," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

NOW, THEREFORE, for and in consideration of our employment by ASSIGNEE and other valuable consideration furnished by ASSIGNEE to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

1. Assign, transfer, and convey to ASSIGNEE the entire right, title, and interest in and to said inventions and discoveries, said United States Patent Application, any and all other applications for Letters Patent(s) on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, reexamination and convention applications based in whole, or in part, upon said inventions or discoveries, or upon said United States Patent Application, and any and all Letters Patent(s), reissues, and extensions of Letters Patent(s) granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon, or arise

from, said inventions, said discoveries, said applications, and said Letters Patent(s);

2. Authorize ASSIGNEE to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable, under International Conventions or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments throughout the world to issue or transfer all said Letters Patent(s) to ASSIGNEE, as assignee of the entire right, title, and interest therein or otherwise as ASSIGNEE may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents, or any license to use the same, or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to ASSIGNEE without encumbrance;

5. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon ASSIGNEE's request and at ASSIGNEE's expense, but without additional consideration to either us or them, all acts reasonably serving to assure that said inventions and discoveries, said patent applications, and said Letters Patent(s) shall be held and enjoyed by ASSIGNEE as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this Assignment had not been made; and particularly to execute and deliver to ASSIGNEE all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by ASSIGNEE; and to communicate to ASSIGNEE all facts known to us relating to said inventions and discoveries or the history thereof, and to testify as to the same in any court or proceeding; and to furnish ASSIGNEE any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

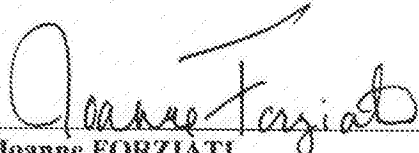
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 18th day of 12/12 (Month/Year).

Marcie R. Black
Marcie R. BLACK

On this 19 day of Dec 2012 (Month/Year), before me personally came the above-named **Marcie R. BLACK** to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

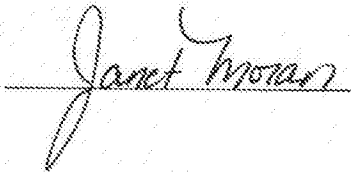
WITNESS: Janet Moran

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 19 day of
December 2012 (Month/Year).


Joanne FORZIATI

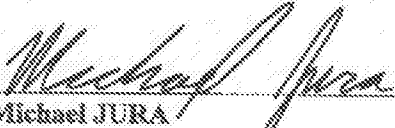
On this 19 day of Dec 2012 (Month/Year), before me personally came the above-named
Joanne FORZIATI to me personally known and known to me to be the same individual who executed the
foregoing assignment, and who acknowledged to me that execution of the same was of his own free will
for the use and purposes therein set forth.

WITNESS:


Janet Moran

Attorney Docket No. 2202288.00131 US2

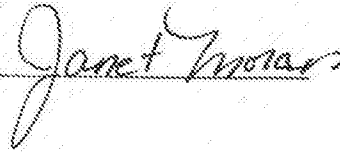
IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 20th day of
Dec 2012 (Month/Year).



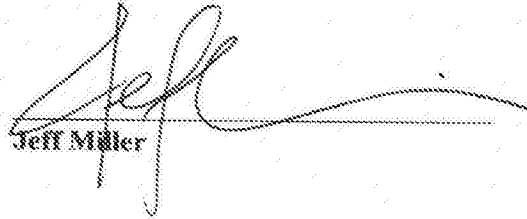
Michael JURA

On this 20 day of Dec 2012 (Month/Year), before me personally came the above-named
Michael Jura to me personally known and known to me to be the same individual who executed the
foregoing assignment, and who acknowledged to me that execution of the same was of his own free will
for the use and purposes therein set forth.

WITNESS:

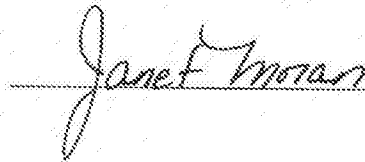


IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 19 day of
Dec/2012 (Month/Year).



Jeff Miller

On this 19 day of Dec 2012 (Month/Year), before me personally came the above-named
Jeff MILLER to me personally known and known to me to be the same individual who executed the
foregoing assignment, and who acknowledged to me that execution of the same was of his own free will
for the use and purposes therein set forth.

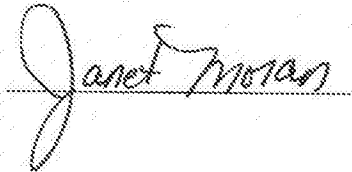
WITNESS:


Janet Moran

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 11 day of 01/11/13 (Month/Year).



Brian MURPHY

On this 11 day of Jan 2013 (Month/Year), before me personally came the above-named **Brian MURPHY** to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

WITNESS: 

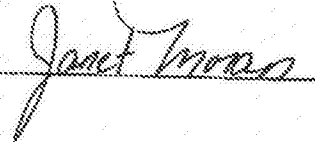
Attorney Docket No. 2202288.00131 US2

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 20th day of Dec. 2012 (Month/Year).


Adam STANDLEY

On this 20th day of Dec. 2012 (Month/Year), before me personally came the above-named Adam Standley to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

WITNESS:


Janet Moran