

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	JAY P. MORREALE	11/25/2017
RECEIVING PARTY DATA		
Name:	P-BRANE, LLC	
Street Address:	17 SHADYSIDE AVENUE	
City:	SUMMIT	
State/Country:	NEW JERSEY	
Postal Code:	07901	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15696796
CORRESPONDENCE DATA		
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<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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ATTORNEY DOCKET NUMBER:	101048.000007	
NAME OF SUBMITTER:	FAITH A. POORE	
SIGNATURE:	/Faith A. Poore/	
DATE SIGNED:	11/29/2017	
Total Attachments: 2		
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ASSIGNMENT

WHEREAS, I, **Jay P. Morreale**, a citizen of **United States**, residing at **17 Shadyside Avenue, Summit, New Jersey 07901**, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number **101048.000007** ("the invention"), assigned application number **15/696,796** filed on **September 6, 2017**, entitled **GRAPHENE-BASED SOLID STATE DEVICES CAPABLE OF EMITTING ELECTROMAGNETIC RADIATION AND IMPROVES THEREOF** ("the subject application"); which is a continuation of application number **14/235,184** filed **April 15, 2014**, which is a 371 National Phase of **PCT/US2012/048453** filed **July 27, 2012**, which claims benefit of application numbers **61/512,145** filed **July 27, 2011** and **61/642,038** filed **May 3, 2012** ("the priority application");

AND WHEREAS, **p-brane, LLC**, ASSIGNEE, having a place of business at **17 Shadyside Avenue, Summit, New Jersey 07901**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the

invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 25 day of Nov, year of 20 17.

Jay P. Morreale
Signature - Jay P. Morreale *member*

STATEMENT OF NOTARY PUBLIC

STATE OF New Jersey:

: SS

COUNTY OF Union:

On this 25th day of November, year of 20 17, before me personally came the above named **Jay P. Morreale** 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 that person's own free will for the use and purposes therein set forth.

Paul G. Bulger Jr.
Notary Public

Paul G. Bulger Jr.
Notary Public of New Jersey
ID# 2415220
My Commission Expires 12/6/2021