

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
FENGNIAN XIA	05/31/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	YALE UNIVERSITY
<b>Street Address:</b>	TWO WHITNEY AVENUE
<b>City:</b>	NEW HAVEN
<b>State/Country:</b>	CONNECTICUT
<b>Postal Code:</b>	06510
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15947202
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<b>ATTORNEY DOCKET NUMBER:</b>	Y0087.70129US01
<b>NAME OF SUBMITTER:</b>	VELIKA CENAJ
<b>SIGNATURE:</b>	/Velika Cenaj/
<b>DATE SIGNED:</b>	06/01/2018
<b>Total Attachments: 3</b>	
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## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

1. Sell, assign and transfer to **Yale University**, a Connecticut Corporation having a place of business at **Two Whitney Avenue, New Haven, Connecticut 06510**, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the provisional patent application filed in the United States Patent and Trademark Office on **April 6, 2017** under No. **62/482,333**, bearing Attorney Docket No. **Y0087.70129US00**, and entitled **WAFER-SCALE SYNTHESIS OF LARGE-AREA HEXAGONAL BORON NITRIDE/BLACK PHOSPHORUS HETEROSTRUCTURES**, the Inventions, and in and to the application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States and its possessions and territories, internationally, including all Patent Cooperation Treaty (PCT) and national phase applications, and in all foreign countries, including but not limited to China, Japan, and The Republic of Korea, on any of the inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction for the Inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to apply for patent rights in and claim priority for China, Japan, and The Republic of Korea, and the right to claim priority to the patent application under the International Convention for the Protection of Industrial Property and the European Patent Convention, as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent;
2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, I agree to carry out in good faith the intent and purpose of this Assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all Inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the Inventions and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the Inventions and for vesting title to the Inventions and all applications for patents and all patents on the Inventions, in the Assignee;
3. Request the Director of the United States Patent and Trademark Office to issue the Letters Patent to the Assignee;
4. Covenant with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and
5. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically

including, but not limited to, those documents specified above and any necessary corrective assignments; and

6. Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

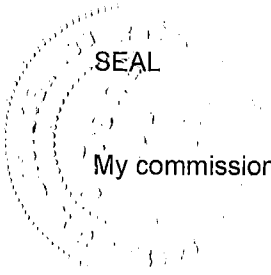
This instrument is signed under the pains and penalties of perjury under the laws of the United States of America.

05/31/2017  
Date

[Signature]  
Inventor: Fengnian Xia  
Address: 564 Lamplight Lane  
Orange, Connecticut 06477  
Citizenship: People's Republic of China


STATE/Commonwealth of Connecticut  
COUNTY OF New Haven

On this 31st day of May, 2017, before me, the undersigned notary public, personally appeared Fengnian Xia, proved to me through satisfactory evidence of identification, which were CT State Drivers License, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.



[Signature]  
Notary Public

My commission expires: April 30, 2020

 **NATASHA G. SAMUELS**  
Notary Public, State of Connecticut  
My Commission Expires Apr. 30, 2020