

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LAIN-JONG LI	07/17/2019
HAO-LING TANG	07/17/2019
MING-HUI CHIU	07/17/2019
RECEIVING PARTY DATA	
Name:	KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY
Street Address:	4700 KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY
City:	THUWAL
State/Country:	SAUDI ARABIA
Postal Code:	23955-6900
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16342432
CORRESPONDENCE DATA	
Fax Number:	(888)232-9785
<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:	5403611863
Email:	amanda@ppblaw.com
Correspondent Name:	PATENT PORTFOLIO BUILDERS PLLC
Address Line 1:	P.O. BOX 7999
Address Line 4:	FREDERICKSBURG, VIRGINIA 22404-7999
ATTORNEY DOCKET NUMBER:	0338-315-2/2015-073-03
NAME OF SUBMITTER:	AMANDA GOODE
SIGNATURE:	/AMANDA GOODE/
DATE SIGNED:	07/24/2019
Total Attachments: 5	
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Attorney Docket No. 0338-315-2/2015-073-03

**ASSIGNMENT
OF PATENT APPLICATION**

WHEREAS, we, **Lain-Jong LI** of Thuwal, Kingdom of Saudi Arabia, **Hao-Ling TANG** of Thuwal, Kingdom of Saudi Arabia and **Ming-Hui CHIU** of Thuwal, Kingdom of Saudi Arabia, hereinafter referred to as **ASSIGNORS**, have invented certain new and useful improvements ("Invention(s)") as described and set forth in the below-identified United States patent application entitled:

**LATERAL HETEROJUNCTIONS BETWEEN A FIRST LAYER AND A SECOND LAYER OF
TRANSITION METAL DICHALCOGENIDE**

which was filed with the United States Patent and Trademark Office (USPTO) on **April 16, 2019** and assigned Serial No. **16/342,432** and

WHEREAS, **KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY**, having a business at 4700 King Abdullah University of Science and Technology, Thuwal, Kingdom of Saudi Arabia 23955-6900, hereinafter referred to as **ASSIGNEE**, is desirous of acquiring **ASSIGNORS'** interest in said Invention(s) and patent application and in any and all U.S. and foreign patent applications claiming priority to and/or the benefit of said patent application and any and all patents which may be granted on the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by **ASSIGNORS**, **ASSIGNORS** do hereby sell, assign and transfer unto **ASSIGNEE**, and **ASSIGNEE'S** successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said Invention(s), and said patent application and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said Invention(s), including all corresponding provisional, continuation, continuation-in-part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said Invention(s), and said patent application for all countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

ASSIGNORS authorize **ASSIGNEE** to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said Invention(s), without further authorization from **ASSIGNORS**, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

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**PATENT
REEL: 049843 FRAME: 0900**



Attorney Docket No. 0338-315-2/2015-073-03

ASSIGNORS hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said Invention(s), said patent application and to claim the aforesaid benefit of the right of priority.

ASSIGNORS request that any and all patents for said Invention(s) be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.

ASSIGNORS covenant and agree that, when requested, ASSIGNORS shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said Invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNORS authorize ASSIGNEE or its agents to insert, on ASSIGNORS' behalf, the filing date and/or serial number above pertaining to the patent application, if not known as of the date of execution of this document.

Lain-Jong Li

Lain-Jong Li

Date: 7/19/2019

Ang Yuh

 Witness

Ji-Hoon Park

 Witness

Date: 7/19/2019

Date: 7/19/2019



Attorney Docket No. 0338-315-2/2015-073-03

Hao-Ling Tang
Hao-Ling TANG

Date: 7.17.2019

Yuntao Guo
Witness

Date: 7/17/2019

Mohammad Mahdi Talkkabi
Witness

Date: 7/17/2019



Attorney Docket No. 0338-315-2/2015-073-03

Ming Hui Chiu
Ming-Hui CHIU

Date: 7.17.2019

Jingta Wang
Witness

Date: 7/17/2019

Ji-Hoon Park
Witness

Date: 7/17/2019



Attorney Docket No. 0338-315-2/2015-073-03

ASSIGNEE:

We, KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY, having a business at 4700 King Abdullah University of Science and Technology, Thuwal, Kingdom of Saudi Arabia 23955-6900, hereby declare that we accept the rights given in the attached Assignment:

KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY

____ Sean Flanigan _____

Name: Sean Flanigan

Title: Director
Technology Transfer Office

23-Jul-2019 | 16:41 ABST

Date