PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHEN WEI	07/01/2020
XIANG DU	07/01/2020
LIU TAO	07/01/2020

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17338074

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 209363-9018-US01

PATENT REEL: 056431 FRAME: 0543

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NAME OF SUBMITTER: JODI ANDERSON		
SIGNATURE: /jodi anderson/		
DATE SIGNED:	06/03/2021	
Total Attachments: 3		
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PATENT REEL: 056431 FRAME: 0544

ASSIGNMENT

THIS ASSIGNMENT is made this 1st day of July 2020 between:

CHEN Wei, a citizen of Singapore, c/o National University of Singapore, Faculty of Science / Department of Chemistry 21 Lower Kent Ridge Road, Singapore 119077;

XIANG Du, a citizen of China, c/o National University of Singapore, Faculty of Science / Department of Chemistry 21 Lower Kent Ridge Road, Singapore 119077;

LIU Tao, a citizen of China, c/o National University of Singapore, Faculty of Science / Department of Chemistry 21 Lower Kent Ridge Road, Singapore 119077;

(hereinafter referred to as "ASSIGNORS"), have made an invention entitled "Artificially Created Interfacial States Enabled Van Der Waals Heterostructure Memory Device" as set forth and described in Singapore Patent Application No. 10202005480Y filed on 10 June 2020; and

National University of Singapore having its principal place of business at 21 Lower Kent Ridge Road, Singapore 119077; and National University of Singapore (Suzhou) Research Institute having its principal place of business at 377 Linquan Street, Suzhou Industrial Park, Jiangsu, The People's Republic of China 215123, (hereinafter referred to as "ASSIGNEES") are desirous of acquiring the whole right, title and interest in and to said application for Letters Patent, and any continuations, divisions, extensions, substitutions, reissues and reexaminations thereof;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that WE, the said ASSIGNORS, for and in consideration of the sum of One Dollar (\$1.00), lawful money of Singapore, to us in hand paid by said ASSIGNEES, and other valuable considerations unto us moving from said ASSIGNEES, at or before the ensealing and delivery of these presents, the receipt of which is hereby acknowledged, have sold, assigned, transferred and conveyed and by these presents do sell, assign, transfer and convey, unto said ASSIGNEES, their successors and assigns, the entire right, title and interest in and to the said invention entitled "Artificially Created Interfacial States Enabled Van Der Waals Heterostructure Memory Device" and any and all improvements thereon, and in and to said application and any non-provisional, division, continuation or continuation-in-part thereof, and in and to any Letters Patent in Singapore which may be issued on any of said applications, and any reissues thereof, and in and to any and all applications for Letters Patent filed in foreign countries for said invention or improvements including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, TO HAVE AND TO HOLD THE SAME to the full end of the term or terms for which any and all said Letters Patent may be granted;

AND WE, the said ASSIGNORS, do hereby authorize and request the designated National Patenting Authority to issue the said Letters Patent of applicable country to said ASSIGNEES, as the assignees of the entire right, title and interest in and to the same, for the sole use and benefit of said ASSIGNEES, their successors and assigns;

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AND WE, the said ASSIGNORS, for the considerations aforesaid, do hereby covenant and agree to and with said ASSIGNEES, their successors and assigns, that we have the full power to make this assignment, and that the rights assigned are not encumbered by any grant, license or right heretofore given, and that we, our executors or administrators, shall and will do all lawful acts and things and make, execute and deliver without further compensation, any and all other instruments in writing, further applications, papers, affidavits, powers of attorney, assignments, and other documents which, in the opinion of counsel for said ASSIGNEES, their successors and assigns, may be required or necessary more effectively to secure to and vest in said ASSIGNEES, their successors and assigns, the entire right, title and interest in and to said invention and improvements, applications, Letters Patent, rights, titles, benefits, privileges, and advantages hereby sold, assigned, transferred and conveyed, and that we will sign any applications for reissue which may be desired by the owner of the patent or patents which may be issued for the said invention or improvements.

IN WITNESS WHEREOF, WE, the said ASSIGNORS and ASSIGNEES have hereunto executed this Assignment the date and year first above written.

Assignors ZHENG Yue Zheng Yue CHEN Wei Witness Name & Signature Wang Yanan Wong Yanan XIANG Du Witness Name & Signature 1 in Tao Wang Yanan Wang Yanan Witness Name & Signature LIU Tao Assignees Signed for and on behalf of in the presence of NATIONAL UNIVERSITY OF SINGAPORE Clarice LIM

NUS

Stacy No. Head, Patent Administration Industry Liaison Office

Witness Name and signature:

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Signed for and on behalf of NATIONAL UNIVERSITY OF SINGAPORE (SUZHOU) RESEARCH INSTITUTE

in the presence of

Name: XIE Xianning
Position: Senior Associate Director

Lan Huiven
Witness Name and signature:

Name: LAN Huiwen

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RECORDED: 06/03/2021