506540053 03/05/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT6586831 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

ASSIGNMENT

CONVEYING PARTY DATA

NATURE OF CONVEYANCE:

| Name | Execution Date |
|---------------|----------------|
| KIAN PING LOH | 12/31/2019 |
| SOCK MUI POH | 12/31/2019 |

RECEIVING PARTY DATA

| Name: | NATIONAL UNIVERSITY OF SINGAPORE |
|-----------------|----------------------------------|
| Street Address: | 21 LOWER KENT RIDGE ROAD |
| City: | SINGAPORE |
| State/Country: | SINGAPORE |
| Postal Code: | 119077 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 17273990 |

CORRESPONDENCE DATA

Fax Number: (703)816-4100

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.

Phone: 703-816-4000

Email: PTOMAIL@nixonvan.com

Correspondent Name: NIXON & VANDERHYE, PC

Address Line 1: 901 NORTH GLEBE ROAD, 11TH FLOOR

Address Line 4: ARLINGTON, VIRGINIA 22203

ATTORNEY DOCKET NUMBER: JBB-7023-8

NAME OF SUBMITTER: JOSHUA B. BRADY

SIGNATURE: /Joshua B. Brady/

DATE SIGNED: 03/05/2021

Total Attachments: 3

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PATENT 506540053 REEL: 0555509 FRAME: 0502

ASSIGNMENT

WHEREAS, LOH, Kian Ping, a citizen of Singapore, c/o National University of Singapore,

Faculty of Science, Department of Chemistry, 21 Lower Kent Ridge Road, Singapore 119077.

POH, Sock Mui, a citizen of Singapore, 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 invented an improvement in A CONTINUOUS

THIN FILM OF A METAL CHALCOGENIDE (file SP101584WO) and have executed a PCT

application based thereon filed 6 September 2019 under application number

PCT/SG2019/050447;

AND, WHEREAS, National University of Singapore, a company limited by guarantee

incorporated in Singapore of 21 Lower Kent Ridge Road, Singapore 119077

(hereinafter referred to as ASSIGNEE) is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for one Singapore dollar and other good and valuable consideration,

receipt of all of which is hereby acknowledged, ASSIGNORS have agreed to and do hereby

sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and

throughout the United States of America (including its territories and dependencies) and all

countries foreign thereto in and to said invention, said PCT application, any United States

applications (including provisional, non-provisional, divisional, continuing, or reissue

applications) based in whole or in part on said PCT application or in whole or in part on said

invention, any foreign applications based in whole or in part on said PCT application or in

whole or in part on said invention, including the right to claim priority therefrom, and any right

to priority claimed in said PCT application, and any and all patents (including extensions

thereof) of any country which have been or may be granted on any of the aforesaid

applications or on said invention or any part thereof;

TO BE HELD AND ENJOYED by said ASSIGNEE, its successors and assigns, as fully and

entirely as the same would have been held and enjoyed by ASSIGNORS had no sale and

assignment of said interest been made;

AND ASSIGNORS hereby authorize and request the Commissioner of Patents of the United

States of America to issue any and all United States patents which may be granted upon any

PATENT

REEL: 055509 FRAME: 0503

United States patent applications based in whole or in part on the aforesaid PCT application, or upon said invention or any part thereof, to said ASSIGNEE;

AND ASSIGNORS hereby jointly and severally agree for themselves and for their respective heirs, executors and administrators, to execute without further consideration any further lawful documents and any further assurances, and any provisional, non-provisional, divisional, continuing, reissue, or other applications for patents of any country, that may be deemed necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them;

AND ASSIGNORS hereby jointly and severally covenant for themselves and their respective legal representatives that no right or license has been granted to make, use or sell said invention, to anyone except said ASSIGNEE, that prior to the execution of this agreement the right, title and interest in said invention had not been otherwise encumbered, and that no instrument will be executed in conflict herewith.

IN WITNESSETH thereof this agreement has been executed by ASSIGNORS and duly authorized representatives of ASSIGNEE.

A STATE OF STREET

| Name: LOH, Kian Ping Date: | Witness: Clarice Lim |
|---|----------------------|
| <u>Suhi</u> | <u>l</u> |
| Name: PŎH, Sock Mui Date: (2 31 24 1 | Witness: Clance Lim |
| For and on behalf of National University of Singapore | |
| Name: Position: | Witness: |
| Date: | |

United States patent applications based in whole or in part on the aforesaid PCT application, or upon said invention or any part thereof, to said ASSIGNEE;

AND ASSIGNORS hereby jointly and severally agree for themselves and for their respective heirs, executors and administrators, to execute without further consideration any further lawful documents and any further assurances, and any provisional, non-provisional, divisional, continuing, reissue, or other applications for patents of any country, that may be deemed necessary by said. ASSIGNEE fully to secure to said ASSIGNEE its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them;

AND ASSIGNORS hereby jointly and severally covenant for themselves and their respective legal representatives that no right or license has been granted to make, use or sell said invention, to anyone except said ASSIGNEE, that prior to the execution of this agreement the right, title and interest in said invention had not been otherwise encumbered, and that no instrument will be executed in conflict herewith.

IN WITNESSETH thereof this agreement has been executed by ASSIGNORS and duly authorized representatives of ASSIGNEE.

Name: LOH, Kian Ping

Date:

Name: POH/Sock Mui

Date: 14 Dec 2019

Witness: PRIYA

17/12/2019

Witness:

For and on behalf of National University of Singapore

Name:

Position:

Head, Patent Administration Industry Liaison Office

Date:

30 December 2019

Witness:

PATENT REEL: 055509 FRAME: 0505

RECORDED: 03/05/2021