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PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
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| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------|----------------|
| MAX PETER NÜLLEN | 10/10/2019 |
| MARKUS HUMMERT | 10/09/2019 |
| HORST HARTMAN | 10/10/2019 |
| DIETER KAUFMANN | 10/17/2019 |
| IRYNA SAVYCH | 10/24/2019 |

RECEIVING PARTY DATA

| Name: | NOVALED GMBH |
|-----------------|--------------------------|
| Street Address: | ELISABETH-BOER-STRASSE 9 |
| City: | DRESDEN |
| State/Country: | GERMANY |
| Postal Code: | 01099 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16568635 |

CORRESPONDENCE DATA

Fax Number: (404)853-8806

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.

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Email:cindylehmuth@eversheds-sutherland.comCorrespondent Name:EVERSHEDS SUTHERLAND (US) LLP

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| ATTORNEY DOCKET NUMBER: | 17346-0226 |
|-------------------------|------------------------------------|
| NAME OF SUBMITTER: | JOSHUA B. ARONSON, REG. NO. 64,504 |
| SIGNATURE: | /JOSHUA B. ARONSON/ |
| DATE SIGNED: | 01/22/2020 |
| Total Attachmentar 2 | |

Total Attachments: 3

PATENT REEL: 051584 FRAME: 0354 source=17346_0226_Assignment#page1.tif source=17346_0226_Assignment#page2.tif source=17346_0226_Assignment#page3.tif

> PATENT REEL: 051584 FRAME: 0355

ASSIGNMENT

The undersigned inventors. Max Peter Nüllen, having a mailing address at Elisabeth-Boer-Strasse 9, 01099 Dresden, Germany; Markus Hummert, having a mailing address at Elisabeth-Boer-Strasse 9, 01099 Dresden, Germany; Horst Hartman, having a mailing address at Elisabeth-Boer-Strasse 9, 01099 Dresden, Germany: Dieter Kaufmann, having a mailing address at Leibnizstrasse 6, 38678 Clausthal-Zellerfield. Germany; and Iryna Savych, having a mailing address at Leibnizstrasse 6. 38678 Clausthal-Zellerfield, Germany; and, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, does hereby sell, transfer, and assign to the Assignee, Novaled GmbH, a corporation organized and existing under the laws of Germany, and having a place of business at Elisabeth-Boer-Strasse 9, 01099 Dresden, Germany, the right, title, and interest for the territory of the United States of America, in and to the invention entitled "Organic Electronic Device, Organic Semiconducting Material and a Borane Compound" as described and claimed in the application for Letters Patent filed in the United States Patent and Trademark Office on September 12, 2019, under Application Serial No. 16/568,635, the entire right, title, and interest in and to said application and in and to any divisions, continuations, reexaminations, and reissues thereof; and does hereby request the Commissioner of Patents and Trademarks of the United States of America to issue said Letters Patent to the Assignee, for its interest, for the sole use of the Assignee and its successors, assigns and legal representatives, as fully and entirely as the same would have been held by me had this assignment not been made;

AND, for the same consideration, agree to sign all lawful papers, execute all division, continuing, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid the Assignee, its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in the United States of America.

| Date Signed: 10.10.19 | Max Peter Nüllen |
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| Date Signed: 0 9. OKT. 2019 | A. Mark |
| | Markus Hummert |
| Date Signed: M, M, WK | Hont Herlina |
| Place rendom noted about describe a describe a describe de la describación de conditions passacional de la condition de la con | Horst Hartman |
| Date Signed: | |
| | Dieter Kaufmann |
| Date Signed: | |
| | Iryna Savych |

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ASSIGNMENT

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| Date Signed: | · |
|-----------------------|------------------|
| | Max Peter Nüllen |
| Date Signed: | Markus Hummert |
| | Markes Hummer |
| Date Signed: | Horst Hartman |
| Date Signed: 10/17/19 | D. Wondpren |
| , | Dieter Kaufmann |
| Date Signed: | Tevna Savvoh |
| | Irvna Savvch |

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| Date Signed: | | |
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| - | Max Peter Nüllen | |
| Date Signed: | | |
| - Additional and the control of the | Markus Hummert | |
| Date Signed: | | |
| | Horst Hartman | |
| Date Signed: | | |
| | Dieter Kaufmann | |
| Date Signed: <u>24.10.19</u> | poor | inchino de la constanta de la |
| | Iryna Savych | |

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