## 505294550 01/24/2019

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5341327

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

#### **CONVEYING PARTY DATA**

| Name                  | Execution Date |
|-----------------------|----------------|
| CAREN ROEBEN          | 12/21/2018     |
| RALPH MOSER           | 01/02/2019     |
| ALEXANDER KOEPFER     | 01/17/2019     |
| SEBASTIAN ROSENSTINGL | 01/08/2019     |
| STEFANIE MAYER        | 01/18/2019     |
| ANDRE HASSE           | 01/02/2019     |
| FRANK FORSTER         | 01/02/2019     |

#### **RECEIVING PARTY DATA**

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| State/Country:  | GERMANY                    |
| Postal Code:    | 45128                      |

## **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 16201495 |

### **CORRESPONDENCE DATA**

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| ATTORNEY DOCKET NUMBER: | 517498US          |
|-------------------------|-------------------|
| NAME OF SUBMITTER:      | ANDREW TRUMPLER   |
| SIGNATURE:              | /Andrew Trumpler/ |
| DATE SIGNED:            | 01/24/2019        |

PATENT REEL: 049509 FRAME: 0852

505294550

# **Total Attachments: 21** source=517498US\_Assn#page1.tif source=517498US Assn#page2.tif source=517498US\_Assn#page3.tif source=517498US\_Assn#page4.tif source=517498US\_Assn#page5.tif source=517498US\_Assn#page6.tif source=517498US\_Assn#page7.tif source=517498US\_Assn#page8.tif source=517498US Assn#page9.tif source=517498US\_Assn#page10.tif source=517498US\_Assn#page11.tif source=517498US\_Assn#page12.tif source=517498US Assn#page13.tif source=517498US\_Assn#page14.tif source=517498US\_Assn#page15.tif source=517498US\_Assn#page16.tif source=517498US Assn#page17.tif source=517498US Assn#page18.tif source=517498US Assn#page19.tif source=517498US\_Assn#page20.tif source=517498US\_Assn#page21.tif

#### ASSIGNMENT

WHEREAS I/We, the below named inventor(s) (hereinafter referred to as ASSIGNOR(S)) have made an invention entitled:

#### SILANE MIXTURES AND PROCESSES FOR PREPARATION THEREOF

for which an application was filed on 27 November 2018 as U.S. Application No. 16/201,495 (Attorney Docket No. 517498US); and

WHEREAS, Evonik Degussa GmbH, a corporation of Germany, whose post office address is Rellinghauser Straße 1-11, 45128 Essen, Germany (hereinafter referred to as ASSIGNEE), is desirous of securing the entire right, title, and interest in and to the aforesaid invention and/or any improvements thereon in all countries throughout the world, and in and to the application(s) for Letters Patent on the aforesaid invention and/or any improvements thereon and the Letters Patent to be issued upon the aforesaid U.S. and/or International application(s);

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR(S), by these presents do hereby sell, assign and transfer to ASSIGNEE, the full and exclusive right, title and interest in and to the aforesaid invention and any improvements thereon, the aforesaid application(s) and all corresponding and/or counterpart foreign patent applications, all divisional, continuation, continuation-in-part, reissue, reexamination, extension, substitution, registration, renewal, extension, Supplementary Protection Certificates or the like, and any additional patent applications which claim priority to the aforesaid application(s), and all Letters Patent or comparable rights issuing thereon in the United States and in all foreign countries, and all applications for Letters Patent which may hereafter be filed for the aforesaid invention and/or any improvements thereon in the United States and/or in any foreign country and all Letters Patent which may be granted on the aforesaid invention and/or any improvements thereon in the United States and/or in any foreign country. together with the right(s) to claim priority to the aforesaid patent application(s) and/or any improvements thereon, and the ASSIGNOR(S) hereby authorize and request the United States Commissioner of Patents and Trademarks and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent or comparable rights issuing on any application as aforesaid to ASSIGNEE, or to its successors, assigns or legal representatives;

ASSIGNOR(S) hereby covenant that ASSIGNOR(S) have full right to convey the entire interest herein assigned, and that ASSIGNOR(S) have not executed, and will not execute, any agreement in conflict herewith;

ASSIGNOR(S) agree to communicate to ASSIGNEE or to its successors, assigns or legal representatives any and all facts known to them or any of them respecting said invention, and without further remuneration to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and reexamination applications, make all rightful oaths and generally do all lawful acts to aid ASSIGNEE or its successors, assigns or legal representatives to obtain and enforce proper patent protection for said invention in all countries and to enhance or perfect ASSIGNEE's title in and to the invention and patent rights therein.

(Sheet 1 of 3)

2015P00301 US

ASSIGNOR(S) hereby authorize attorneys for ASSIGNEE to enter on this document any applicable serial numbers and filing dates after ASSIGNOR(S') execution of this document.

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| IN TESTIMONY        |          |     | hereunto                          | set   | my     | hand  | and          | seal      | this                                    |
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|                     |          | 45  | lunderweg<br>133 Essen<br>rmany   | 33    |        |       |              |           |                                         |
| IN TESTIMONY day of | WHEREOF, |     | hereunto                          | set   | my     | hand  | and          | seal      | this                                    |
|                     |          |     | lph MOSE                          |       | nt# 25 |       |              |           |                                         |
|                     |          | Jer | sey City, Nited States            |       | -      |       |              |           |                                         |
| IN TESTIMONY day of |          |     | hereunto                          | set   | my     | hand  | and          | seal      | this                                    |
|                     |          | Ale | exander K(                        | )EPFI | ER     |       |              |           |                                         |
|                     |          | 798 | rfmattenwe<br>372 Bernau<br>rmany |       | chwar  | zwald |              |           |                                         |

(Sheet 2 of 3)

| <br>IN TESTIMONY day of    | WHEREOF,    |     |                                       | set  | my          | hand                                    | and                                   | seal        | this           |
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| <br>IN TESTIMONY day of    | WHEREOF,    |     | hereunto                              | set  | my          | hand                                    | and                                   | seal        | this           |
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|                            |             | 524 | gelsruth 14<br>428 Jülich             |      |             |                                         |                                       |             |                |
| The Completeness defeaters | *******     |     | rmany                                 | ,    |             | कें त                                   | क                                     | 2           | , a .          |
| <br>IN TESTIMONY day of    | WHEREOF, 20 |     | hereunto                              | set  | my          | hand                                    | and                                   | scal        | this           |
|                            |             | ,   |                                       |      | <del></del> |                                         |                                       | <del></del> |                |
|                            |             | Fra | ink FORST                             | ER   |             |                                         |                                       |             |                |
|                            |             | 638 | eisenweg 24<br>325 Schöllk<br>rmany   |      | n           |                                         |                                       |             |                |

(Sheet 3 of 3)

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WHEREAS I/We, the below named inventor(s) (hereinafter referred to as ASSIGNOR(S)) have made an invention entitled:

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(Sheet 1 of 3)

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|  | WHEREOF, |    |                                     | set   | my     | hand  | and | seal  | this |
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|  |          |    | 133 Essen<br>ermany                 |       |        |       |     |       |      |
|  | WHEREOF, |    |                                     | set   | my     | hand  | and | seal. | this |
|  |          |    | ulph MOSE                           |       | pt# 25 | 509   |     |       |      |
|  |          | Je | rsey City, N<br>nited States        |       | -      |       |     |       |      |
|  | WHEREOF, |    |                                     | set   | my     | hand  | and | seal  | this |
|  |          | Al | exander KC                          | )EPF1 | ΞR     |       |     |       | .,   |
|  |          | 79 | orfmattenwe<br>872 Bernau<br>armany |       | chwar  | zwald |     |       |      |

(Sheet 2 of 3)

2015P00301 US

|       | IN TESTIMONYday of                      |          | I hereunto set my hand and seal thi | is |
|-------|-----------------------------------------|----------|-------------------------------------|----|
|       |                                         |          | Sebastian ROSENSTINGL               |    |
|       |                                         |          |                                     |    |
|       |                                         |          | Wallbrunnstraße 60<br>79539 Lörrach |    |
|       |                                         |          | Germany                             |    |
|       | IN TESTIMONY day of                     |          | I hereunto set my hand and seal thi | ÍS |
|       |                                         |          |                                     |    |
|       |                                         |          | Stefanie MAYER                      |    |
|       |                                         |          | Müssmattstr. 14                     |    |
|       |                                         |          | 79618 Rheinfelden                   |    |
|       |                                         |          | Germany                             |    |
|       | IN TESTIMONY day of                     |          | I hereunto set my hand and seal thi | S  |
| ***** | *************************************** |          | ···········                         |    |
|       |                                         |          |                                     |    |
|       |                                         |          | Andre HASSE                         |    |
|       |                                         |          | Vogelsruth 14                       |    |
|       |                                         |          | 52428 Jülich<br>Germany             |    |
|       | IN TESTIMONY                            | WHEREOF, | I hereunto set my hand and seal thi | 2  |
|       | day of                                  |          |                                     |    |
|       |                                         |          |                                     |    |
|       |                                         |          | Frank FORSTER                       |    |
|       |                                         |          | Meisenweg 24                        |    |
|       |                                         |          | 63825 Schöllkrippen Germany         |    |

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| IN     | TESTIMONY day of |          |    |                                              | set   | my    | hand  | and | seal | this |
|--------|------------------|----------|----|----------------------------------------------|-------|-------|-------|-----|------|------|
|        |                  |          |    | aren ROEBI                                   | EN    |       |       |     |      |      |
|        |                  |          | 4  | olunderweg<br>5133 Essen<br>ermany           | 33    |       |       |     |      |      |
| IN     | TESTIMONY day of |          |    |                                              | set   | my    | hand  | and | seal | this |
|        |                  |          | R  | alph MOSE                                    | R     |       |       |     |      |      |
|        |                  |          | Je | 00 Coles Str<br>rsey City, N<br>nited States |       |       | 509   |     |      |      |
| Syr IN | TESTIMONY day of | WHEREOF, | I. | hereunto                                     |       |       |       | and | seal | this |
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|        |                  |          | A. | lexander KC                                  | EPFI  | BR.   |       |     |      |      |
|        |                  |          | 75 | orfmattenwe<br>872 Bernau<br>ermany          | -     | chwar | zwald |     |      |      |

(Sheet 2 of 3)

| ****** | IN TESTIMONY day of | I hereunto set my hand and seal this                    |
|--------|---------------------|---------------------------------------------------------|
|        |                     | Sebastian ROSENSTINGL  Wallbrunnstraße 60 79539 Lörrach |
|        |                     | Germany                                                 |
|        | IN TESTIMONY day of | I hereunto set my hand and seal this                    |
|        |                     | Stefanie MAYER                                          |
|        |                     | Müssmattstr, 14<br>79618 Rheinfelden<br>Germany         |
|        | IN TESTIMONY day of | I hereunto set my hand and seal thu                     |
|        |                     | Andre HASSE                                             |
|        |                     | Vogelsruth 14<br>52428 Jülich<br>Germany                |
|        | IN TESTIMONY day of | I hereunto set my hand and seal this                    |
|        |                     | Frank FORSTER                                           |
|        |                     | Meisenweg 24<br>63825 Schöllkrippen<br>Germany          |

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| <b></b> | IN TESTIMONYday of | WHEREOF,       |                 |                                                          | set                  | my           | hand  | and | seal | this |
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|         | IN TESTIMONYday of | WHEREOF,       | I               |                                                          | set                  | my           | hand  | and | seal | this |
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|         | IN TESTIMONYday of | WHEREOF,<br>20 |                 | hereunto                                                 | set                  | my           | hand  | and | seal | this |
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(Sheet 2 of 3)

2015P00301 US

| IN TESTIMOI | NY WHEREOF, | 9 I                                    | hereunto                  | set                                   | my       | hand | and                                     | seal                                    | this |
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|             |             | Se                                     | bastian RO                | SENS                                  | TING     | iL   |                                         |                                         |      |
|             |             | W                                      | allbrunnstra              | aße 60                                | )        |      |                                         |                                         |      |
|             |             |                                        | 539 Lörrac                | h                                     |          |      |                                         |                                         |      |
|             |             | G                                      | ermany                    |                                       |          |      |                                         |                                         |      |
|             | NY WHEREOF, |                                        |                           | set                                   | my       | hand | and                                     | seal                                    | this |
|             |             |                                        | ************************* | ******                                |          |      |                                         |                                         |      |
|             |             | Ste                                    | efanie MAY                | (ER                                   |          |      |                                         |                                         |      |
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|             |             |                                        | üssmatistr.               |                                       |          |      |                                         |                                         |      |
|             |             |                                        | 618 Rheinf                | elden                                 |          |      |                                         |                                         |      |
|             |             | Cie                                    | ermany                    |                                       |          |      |                                         |                                         |      |
|             | NY WHEREOF, |                                        |                           | set                                   | my       | hand | and                                     | seal                                    | this |
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|             |             | Aı                                     | ndre HASSI                | E:                                    |          |      |                                         |                                         |      |
|             |             | Vo                                     | ogelsruth 14              | <b>ļ</b> .                            |          |      |                                         |                                         |      |
|             |             |                                        | 428 Jülich                |                                       |          |      |                                         |                                         |      |
|             |             | Ge                                     | ermany                    |                                       |          |      |                                         |                                         |      |
| IN TESTIMON | NY WHEREOF, |                                        | hereunto                  | set                                   | my       | hand | and                                     | seal                                    | this |
| day or      | <u> </u>    | ,                                      |                           |                                       |          |      |                                         |                                         |      |
|             |             | *******                                |                           | **********                            |          |      |                                         |                                         |      |
|             |             | Fra                                    | ank FORST                 | ER                                    |          |      |                                         |                                         |      |
|             |             | M                                      | eisenweg 24               | 1                                     |          |      |                                         |                                         |      |
|             |             |                                        | 825 Schöll                |                                       | n        |      |                                         |                                         |      |
|             |             |                                        | ermany                    | ·                                     |          |      |                                         |                                         |      |

(Sheet 3 of 3)

#### ASSIGNMENT

WHEREAS I/We, the below named inventor(s) (hereinafter referred to as ASSIGNOR(S)) have made an invention entitled:

#### SILANE MIXTURES AND PROCESSES FOR PREPARATION THEREOF

for which an application was filed on 27 November 2018 as U.S. Application No. 16/201,495 (Attorney Docket No. 517498US); and

WHEREAS, Evonik Degussa GmbH, a corporation of Germany, whose post office address is Rellinghauser Straße 1-11, 45128 Essen, Germany (hereinafter referred to as ASSIGNEE), is desirous of securing the entire right, title, and interest in and to the aforesaid invention and/or any improvements thereon in all countries throughout the world, and in and to the application(s) for Letters Patent on the aforesaid invention and/or any improvements thereon and the Letters Patent to be issued upon the aforesaid U.S. and/or International application(s);

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR(S), by these presents do hereby sell, assign and transfer to ASSIGNEE, the full and exclusive right, title and interest in and to the aforesaid invention and any improvements thereon, the aforesaid application(s) and all corresponding and/or counterpart foreign patent applications, all divisional, continuation, continuation-in-part, reissue, reexamination, extension, substitution, registration, renewal, extension, Supplementary Protection Certificates or the like, and any additional patent applications which claim priority to the aforesaid application(s), and all Letters Patent or comparable rights issuing thereon in the United States and in all foreign countries, and all applications for Letters Patent which may hereafter be filed for the aforesaid invention and/or any improvements thereon in the United States and/or in any foreign country and all Letters Patent which may be granted on the aforesaid invention and/or any improvements thereon in the United States and/or in any foreign country, together with the right(s) to claim priority to the aforesaid patent application(s) and/or any improvements thereon, and the ASSIGNOR(S) hereby authorize and request the United States Commissioner of Patents and Trademarks and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent or comparable rights issuing on any application as aforesaid to ASSIGNEE, or to its successors, assigns or legal representatives:

ASSIGNOR(S) hereby covenant that ASSIGNOR(S) have full right to convey the entire interest herein assigned, and that ASSIGNOR(S) have not executed, and will not execute, any agreement in conflict herewith;

ASSIGNOR(S) agree to communicate to ASSIGNEE or to its successors, assigns or legal representatives any and all facts known to them or any of them respecting said invention, and without further remuneration to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and reexamination applications, make all rightful oaths and generally do all lawful acts to aid ASSIGNEE or its successors, assigns or legal representatives to obtain and enforce proper patent protection for said invention in all countries and to enhance or perfect ASSIGNEE's title in and to the invention and patent rights therein.

(Sheet 1 of 3)

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| ************ |    | TESTIMONY day of |                                                                              |                                    | set | my | hand | and | seal                                    | this |
|--------------|----|------------------|------------------------------------------------------------------------------|------------------------------------|-----|----|------|-----|-----------------------------------------|------|
|              |    |                  | Ca                                                                           | aren ROEBI                         | EN  |    |      |     | *************************************** |      |
|              |    |                  | 45                                                                           | olunderweg<br>5133 Essen<br>ermany | 33  |    |      |     |                                         |      |
|              | IN | TESTIMONY day of |                                                                              |                                    | set | my | hand | and | seal                                    | this |
|              |    |                  | Ralph MOSER  300 Coles Street, Apt# 2509 Jersey City, NJ 07310 United States |                                    |     |    |      |     |                                         |      |
|              | IN | TESTIMONY day of |                                                                              |                                    | set | my | hand | and | seal                                    | this |
|              |    |                  | Alexander KOEPFER                                                            |                                    |     |    |      |     |                                         |      |
|              |    |                  | Dorfmattenweg 3<br>79872 Bernau im Schwarzwald<br>Germany                    |                                    |     |    |      |     |                                         |      |

(Sheet 2 of 3)

| IN TESTIMONY WHEREOF,day of20                 | I hereunto set my hand and seal this                                                            |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------|
|                                               | Sebastian ROSENSTINGL  Wallbrunnstraße 60 79539 Lörrach Germany                                 |
| IN TESTIMONY WHEREOF,  As day of College 20/2 | <u> </u>                                                                                        |
| IN TESTIMONY WHEREOF,  day of 20              | Stefanie MAYER  Müssmattstr. 14 79618 Rheinfelden Germany  I hereunto set my hand and seal this |
|                                               | Andre HASSE  Vogelsruth 14 52428 Jülich Germany                                                 |
| IN TESTIMONY WHEREOF,day of20                 | I hereunto set my hand and seal this  Frank FORSTER                                             |
|                                               | Meisenweg 24<br>63825 Schöllkrippen<br>Germany                                                  |

. . . .

(Sheet 3 of 3)

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|   | NY WHEREOF, |                   |                                      | set    | my    | band  | and | seal | this                                   |
|---|-------------|-------------------|--------------------------------------|--------|-------|-------|-----|------|----------------------------------------|
|   |             | C                 | aren ROEB                            |        |       |       |     |      |                                        |
|   |             | 4.5               | olunderweg<br>5133 Essen<br>ermany   | 33     |       |       |     |      |                                        |
| · | NY WHEREOF, |                   |                                      | set    | my    | hand  | and | seal | this                                   |
|   |             | 30<br>Je          | alph MOSE 00 Coles Str rsey City, N  | eet, A | -     | 509   |     |      |                                        |
|   | NY WHEREOF, | Î                 | hereunto                             | set    | my    | hand  | and | seal | this                                   |
|   |             | Alexander KOEPFER |                                      |        |       |       |     |      | ······································ |
|   |             | 79                | orfmattenwo<br>9872 Bernau<br>ermany |        | chwai | zwald |     |      |                                        |

(Sheet 2 of 3)

| IN TESTIMONY day of             |          |               |                                      | set        | my                                      | hand | and | seal          | this |
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| IN TESTIMONYday of              |          | W<br>79<br>Go |                                      | Ве 60<br>1 |                                         |      | and | seal          | this |
| aay ot                          |          |               |                                      |            |                                         |      |     |               |      |
|                                 |          | St            | efanie MAY                           | ER.        |                                         |      |     |               |      |
|                                 |          | 79            | üssmattstr.<br>618 Rheinfe<br>ermany |            |                                         |      |     |               |      |
| IN TESTIMONY  244 day of Januar | WHEREOF, | I             | hereunto                             | set        | my                                      | hand | and | seal          |      |
|                                 | ;        | Aı            | ndre HASSE                           |            |                                         |      |     |               |      |
|                                 |          | 52            | ogelsruth 14<br>428 Jülich<br>ermany |            |                                         |      |     |               |      |
| IN TESTIMONY day of             | •        |               | hereunto                             | set        | my                                      | hand | and | seal          | this |
|                                 |          | Fr            | ank FORST                            |            | *************************************** |      |     | ************* |      |
|                                 |          | 63            | eisenweg 24<br>825 Schöllk<br>ermany |            | n.                                      |      |     |               |      |

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| ,, | IN   | TESTIMONY day of |                                                           |                                                           | set         | my     | band         | and | seal | this |
|----|------|------------------|-----------------------------------------------------------|-----------------------------------------------------------|-------------|--------|--------------|-----|------|------|
|    |      |                  |                                                           | aren ROEBI                                                |             |        |              |     |      |      |
|    |      |                  | 4.5                                                       | olunderweg<br>5133 Essen<br>ermany                        | 33          |        |              |     |      |      |
|    | IN . | TESTIMONY day of |                                                           |                                                           | set         | my     | hand         | and | seal | this |
|    |      |                  | 30<br>Je                                                  | alph MOSE<br>00 Coles Str<br>rsey City, N<br>nited States | R<br>eet, A | pt# 25 | 509          |     |      |      |
|    | IN   | TESTIMONY lay of |                                                           |                                                           | set         | my     | hand         | and | seal | this |
|    |      |                  | A                                                         | lexander KC                                               | EPFI        | ER     | •••••••••••• |     |      |      |
|    |      |                  | Dorfmattenweg 3<br>79872 Bernau im Schwarzwald<br>Germany |                                                           |             |        |              |     |      |      |

(Sheet 2 of 3)

| IN TESTIMONY day of       |          |         |                                      | set      | my                                                                                                            | hand                                   | and     | seal                                    | this |
|---------------------------|----------|---------|--------------------------------------|----------|---------------------------------------------------------------------------------------------------------------|----------------------------------------|---------|-----------------------------------------|------|
|                           |          | Se      | ebastian RO                          |          |                                                                                                               | <br>ìL                                 |         |                                         |      |
|                           |          | 79      | allbrunnstra<br>539 Lörrac<br>ermany |          | )                                                                                                             |                                        |         |                                         |      |
| IN TESTIMONY day of       |          | I       | hereunto                             | set      | my                                                                                                            | hand                                   | and     | seal                                    | this |
|                           |          | St      | efanie MA                            |          |                                                                                                               |                                        | ·       | ···                                     |      |
|                           |          | 79      | üssmattstr.<br>1618 Rheinf<br>ermany |          |                                                                                                               |                                        |         |                                         |      |
| IN TESTIMONY day of       |          |         |                                      | set      | my                                                                                                            | hand                                   | and     | seal                                    | this |
|                           |          | —<br>Aı | idre HASSI                           |          |                                                                                                               |                                        |         | *************************************** |      |
|                           |          | 52      | ogelsruth 14<br>428 Jülich<br>ermany | ļ        |                                                                                                               |                                        |         |                                         |      |
| IN TESTIMONYday ofZanaga_ | WHEREOF, | 1       | hereunto                             | set      | my                                                                                                            | hand                                   | and     | seal                                    | this |
|                           |          |         |                                      | - Sanger |                                                                                                               |                                        | Million |                                         |      |
|                           |          | Fr      | ank FORST                            | ER       | e de la companya de | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |         |                                         |      |
|                           |          | 63      | eisenweg 24<br>825 Schölllermany     |          | n                                                                                                             |                                        |         |                                         |      |

(Sheet 3 of 3)

PATENT REEL: 049509 FRAME: 0874

**RECORDED: 01/24/2019**