PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2637549

| SUBMISSION TYPE: | | | NEW ASSIGNMENT | | | |
|--|--|--|---|----------------|------------|--|
| NATURE OF CONVEYANCE: | | | ASSIGNMENT | | | |
| CONVEYING PART | Y DATA | | | | | |
| Name | | | | Execution Date | | |
| ROMAN BOSCHKE | | | | | 11/12/2013 | |
| ELKE ERBEN | | | | | 11/16/2013 | |
| STEFAN FLACHO | WSKY | | | | 11/15/2013 | |
| | / DATA | | | | | |
| Name: | GLOBALFO | UNDRIES | Inc. | | | |
| Street Address: | Maples Corp | orate Ser | vices Limited | | | |
| Internal Address: | PO Box 309 | , Ugland H | louse | | | |
| City: | Grand Caym | nan | | | | |
| State/Country: | CAYMAN ISLANDS | | | | | |
| outor ocurra y. | | | | | | |
| Postal Code: | KY1-1104 | | | | | |
| Postal Code: PROPERTY NUMB Property | ERS Total: 1 | | | Number | | |
| Postal Code: | ERS Total: 1 | LANDS | 8 | Number | | |
| Postal Code: PROPERTY NUMB Property | KY1-1104 ERS Total: 1 Type | | 8 | Number | | |
| Postal Code: PROPERTY NUMB Property Application Numbe | KY1-1104 ERS Total: 1 Type r: CE DATA | | | Number | | |
| Postal Code: PROPERTY NUMB Property Application Numbe CORRESPONDENG Fax Number: Phone: | KY1-1104 ERS Total: 1 Type r: CE DATA (71: 713 |) 1409733 3)434-667 34346677 | 1 | Number | | |
| Postal Code: PROPERTY NUMB Property Application Numbe CORRESPONDENC Fax Number: Phone: Email: | KY1-1104 ERS Total: 1 Type r: CE DATA (71: 713 mar | 3)434-667 4346677 ry@amers | 1 oniplaw.com | | | |
| Postal Code: PROPERTY NUMB Property Application Numbe CORRESPONDENG Fax Number: Phone: Email: <i>Correspondence w</i> | KY1-1104 ERS Total: 1 Type r: CE DATA (71: 713 mar | 3)434-667 34346677 ry@amers 5 Mail whe | 1 oniplaw.com <i>n the email attempt is u</i> | | | |
| Postal Code: PROPERTY NUMB Property Application Numbe CORRESPONDENG Fax Number: Phone: Email: <i>Correspondence wi</i> Correspondent Nan | KY1-1104 ERS Total: 1 Type rr: CE DATA (713 713 mar <i>Il be sent via US</i> ne: J. M | 3)434-667 34346677 ry@amers <i>5 Mail whe</i> /IKE AME | 1 oniplaw.com <i>n the email attempt is u</i> RSON | | | |
| Postal Code: PROPERTY NUMB Property Application Numbe CORRESPONDENG Fax Number: Phone: Email: <i>Correspondence w</i> | KY1-1104 ERS Total: 1 Type r: CE DATA (71: 713 mar /// be sent via US ne: J. M 250 | 3)434-667 34346677 ry@amers <i>5 Mail whe</i> /IKE AME 00 FONDR | 1 oniplaw.com <i>n the email attempt is u</i> | | | |
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| Postal Code: PROPERTY NUMB Property Application Number CORRESPONDENC Fax Number: Phone: Email: <i>Correspondence wi</i> Correspondent Nan Address Line 1: Address Line 4: | KY1-1104 ERS Total: 1 Type r: CE DATA (71: 713 mar (1) be sent via US he: J. M 250 HO ET NUMBER: | 3)434-667 34346677 ry@amers <i>5 Mail whe</i> /IKE AME 00 FONDR USTON, T | 1 oniplaw.com <i>n the email attempt is u</i> RSON EN, SUITE 220 'EXAS 77063 | | | |

| Date: | 12/05/2013 | | | |
|---|--|--|--|--|
| | This document serves as an Oath/Declaration (37 CFR 1.63). | | | |
| Total Attachments: 3 source=Declaration_and_Assignment#page1.tif source=Declaration_and_Assignment#page2.tif source=Declaration_and_Assignment#page3.tif | | | | |

GF Ref. No.: ED113

COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

| Title of Invention | SANDWICH SILICIDATION FOR FULLY SILICIDED GATE FORMATION | | | | | |
|---|--|--|--|--|--|--|
| | DECLARATION | | | | | |
| As the below | named inventor, I hereby declare that: | | | | | |
| This declarat is directed to | K.M. 1.1 | | | | | |
| | United States application or PCT international application number filed on | | | | | |
| The above-id | entified application was made or authorized to be made by me. | | | | | |
| I believe that | I am the original inventor or an original joint inventor of a claimed invention in the application. | | | | | |
| I hereby ackr fine or impris | consider that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by consist of not more than five (5) years, or both. | | | | | |
| | red and understand the contents of the application and am aware of the duty to disclose to the US Patent and office all information known to me to be material to patentability as defined in 37 CFR § 1.56. | | | | | |
| | ASSIGNMENT | | | | | |
| hereby sell, a Grand Caym the invention any foreign c extensions th and Applicat including but proceedings a | I and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I ssign, transfer, to GLOBALFOUNDRIES Inc. having a business address of PO Box 309, Ugland House, an KY1-1104 its successors and assigns, absolutely and forever, my entire right, title and interest in and to listed above, together with the Application, any and all Patents that may issue in the United States and/or ountries, and any relssues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or ereof that may be issued or granted, and all right, title and interest to the inventions contained in said Patents ions, for the United States and all foreign countries, and all the rights and privileges relating thereto not limited to the priority rights arising from said Applications, the right to recover and take all such is may be necessary for the recovery of damages or otherwise in respect of past, present and future , and the right to apply for, take and maintain patents on said inventions. | | | | | |
| | m of this Combined Declaration or Assignment is held unenforceable, then remaining portions hereof seless remain in full force and effect. | | | | | |
| | | | | | | |
| LEGAL NAM | ME OF INVENTOR | | | | | |
| Inventor: | Roman BOSCHKE Date : 12/14/13 | | | | | |
| Signature: | Converter | | | | | |
| | ication data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form, nal form for each additional inventor. | | | | | |

GF Ref. No.: ED113

COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

| Title of Invention | SANDWICH SILICIDATION FOR FULLY SILICIDED GATE FORMATION | | | | | |
|--|--|--|--|--|--|--|
| | DECLARATION | | | | | |
| As the below | named inventor. I hereby declare that: | | | | | |
| This declarati | | | | | | |
| | United States application or PCT international application number filed on | | | | | |
| The above-id | entified application was made or authorized to be made by me. | | | | | |
| I believe that | 1 am the original inventor or an original joint inventor of a claimed invention in the application. | | | | | |
| | owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by onment of not more than five (5) years, or both. | | | | | |
| | ed and understand the contents of the application and am aware of the duty to disclose to the US Patent and ffice all information known to me to be material to patentability as defined in 37 CFR § 1.56. | | | | | |
| | ASSIGNMENT | | | | | |
| hereby sell, a Grand Cayna the invention any foreign c extensions th and Applicati including but proceedings a infringement. | and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I ssign, transfer, to GLOBALFOUNDRIES Inc. having a business address of PO Box 309, Ugland House, in KY1-1104 its successors and assigns, absolutely and forever, my entire right, title and interest in and to listed above, together with the Application, any and all Patents that may issue in the United States and/or ountries, and any reissues, re-examinations, renewals, continuations, continuation-in-parts, divisionals or ereof that may be issued or granted, and all right, title and interest to the inventions contained in said Patents ons, for the United States and all foreign countries, and all the rights and privileges relating thereto not limited to the priority rights arising from said Applications, the right to recover and take all such as may be necessary for the recovery of damages or otherwise in respect of past, present and future and the right to apply for, take and maintain patents on said inventions. | | | | | |
| shall nevertheless remain in full force and effect. | | | | | | |
| LEGAL NAP | Elke ERBEN Date: 76-74-2013 | | | | | |
| Signature: | | | | | | |
| | ication data sheet (PTO/SB/14 or equivalent), including naming the entire inventive catity, must accompany this form, nal form for each additional inventor. | | | | | |

GF Ref. No.: ED113

COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

| Title of Invention | SANI |) WICI | I SILICIDATI | ON FOR PUL | LY SILICIE | DED GATE | FORMATION | |
|---|---|--|--|---|--|--|--|--------------------------------------|
| | ************* | | | DEC | LARATIO | N | | |
| As the below | named | invent | or, I hereby de | clare that: | | | | |
| This declarat is directed to | | The attached application, or | | | | | | |
| | | | United States | s application or PCT international application number | | | | filed on |
| The above-id | lentified | applic | ation was mad | e or authorized | to be made | by me, | | |
| I believe that | I am th | e origi | nal inventor or | an original joir | nt inventor o | of a claimed | invention in the | application. |
| I hereby ackr fine or impri- | nowledg sommen | e that of no | any willful fals more than five | e statement ma e (5) years, or l | de in this do oth. | eclaration is | punishable unde | r 18 U.S.C. 1001 by |
| I have review Trademark O | ved and Office all | unders inforr | tand the conter nation known t | its of the applic o me to be mat | ation and a erial to pate | m aware of ntability as | the duty to discle defined in 37 CF | se to the US Patent and R § 1.56. |
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| hereby sell, a Grand Cayna the invention any foreign c extensions th and Applicati including but proceedings a | ssign, u an KY I listed a ountries ereof th ions, for not lim as may I | ansfer 1104 bove, 1 5, and a at may the U ited to be need | , to GLOBALF its successors a cogether with th my reissues, re- be issued or go nited States and the priority rig essary for the re | OUNDRIES In and assigns, abs and Application, -examinations, ranted, and all d all foreign co this arising from | nc. having a colutely and any and all renewals, c right, title an untries, and n said Appl ages or othe | business ac forever, my Patents that ontinuation and interest t all the right ications, the erwise in res | Idress of PO Box entire right, title t may issue in the s, continuation-in o the inventions of ts and privileges right to recover spect of past, pres | and take all such |
| If any portion shall neverth | m of thi seless ro | s Com emain | bined Doclara in full force ar | ation or Assign ad effect. | iment is hel | d unenforc | eable, then rem | aining portions hereof |
| | | | | **** | | | | |
| LEGAL NAM | | | | | | | | |
| Inventor: | Stefan | FLAC | HOWSKY | | | Date : | <u>AS. A.A. S</u> | 2013 |
| Signature: | | | <u>Sinter (</u> | | | | | |
| Note: An appl Use an addition | ication d aal form | ata she for eac | et (PTO/SB/14 m h additional iave | r equivalent), inc mtor. | luding asmis | 19 the entire | inventive entity, m | ust accompany this form. |

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RECORDED: 12/05/2013