## 506173874 07/27/2020 PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE:                                                                                                                                                                                                                                                                              | NEW ASSIGNMENT        |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| NATURE OF CONVEYANCE: ASSIGNMENT                                                                                                                                                                                                                                                              |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CONVEYING PARTY D                                                                                                                                                                                                                                                                             | ΑΤΑ                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                               |                       | Name Execution Date                                                                                                                                                                                                                                                                                                                                                                                                                               |
| KAHL BROWN                                                                                                                                                                                                                                                                                    |                       | 03/26/2020                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| MATTHEW J. MILLER                                                                                                                                                                                                                                                                             |                       | 07/14/2020                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BENJAMIN CENTER                                                                                                                                                                                                                                                                               |                       | 07/14/2020                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| GERALD A. ZEININGER                                                                                                                                                                                                                                                                           | 3                     | 07/14/2020                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| STEIN JULSRUD                                                                                                                                                                                                                                                                                 |                       | 07/09/2020                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| RECEIVING PARTY DA                                                                                                                                                                                                                                                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Name:                                                                                                                                                                                                                                                                                         | -                     | ILICON INC                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Street Address:                                                                                                                                                                                                                                                                               | 3322 R                | IOAD N NE                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| City:                                                                                                                                                                                                                                                                                         | MOSES                 | S LAKE                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <br>State/Country:                                                                                                                                                                                                                                                                            | WASHI                 | INGTON                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Postal Code:                                                                                                                                                                                                                                                                                  | 98837                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| PROPERTY NUMBERS Total: 1 Property Type                                                                                                                                                                                                                                                       |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                               |                       | Number                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Property Type                                                                                                                                                                                                                                                                                 |                       | Number<br>16833446                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Property Type<br>Application Number:                                                                                                                                                                                                                                                          |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Property Type<br>Application Number:<br>CORRESPONDENCE D                                                                                                                                                                                                                                      |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Property Type<br>Application Number:<br>CORRESPONDENCE D<br>Fax Number:<br>Correspondence will b                                                                                                                                                                                              | e sent to             | 16833446                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Property Type<br>Application Number:<br>CORRESPONDENCE E<br>Fax Number:<br>Correspondence will b<br>using a fax number, if                                                                                                                                                                    | e sent to<br>provideo | 16833446         (503)595-5301         o the e-mail address first; if that is unsuccessful, it will be sent                                                                                                                                                                                                                                                                                                                                       |
| Property Type<br>Application Number:<br>CORRESPONDENCE E<br>Fax Number:<br><i>Correspondence will b</i><br><i>using a fax number, if</i><br>Phone:                                                                                                                                            | e sent to<br>provideo | 16833446<br>(503)595-5301<br>o the e-mail address first; if that is unsuccessful, it will be sent<br>d; if that is unsuccessful, it will be sent via US Mail.                                                                                                                                                                                                                                                                                     |
| Property Type<br>Application Number:<br>CORRESPONDENCE D<br>Fax Number:<br>Correspondence will b<br>using a fax number, if<br>Phone:<br>Email:<br>Correspondent Name:                                                                                                                         | e sent to<br>provideo | 16833446<br>(503)595-5301<br><b>D the e-mail address first; if that is unsuccessful, it will be sent</b><br><b>d; if that is unsuccessful, it will be sent via US Mail.</b><br>503-595-5300<br>camille.sakamoto@klarquist.com<br>CARSTEN C. GRELLMANN, KLARQUIST SPARKMAN, LLP                                                                                                                                                                    |
| Property Type<br>Application Number:<br>CORRESPONDENCE E<br>Fax Number:<br><i>Correspondence will b</i><br><i>using a fax number, if</i><br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:                                                                                        | e sent to<br>provideo | 16833446<br>(503)595-5301<br><b>D the e-mail address first; if that is unsuccessful, it will be sent</b><br><b>d; if that is unsuccessful, it will be sent via US Mail.</b><br>503-595-5300<br>camille.sakamoto@klarquist.com<br>CARSTEN C. GRELLMANN, KLARQUIST SPARKMAN, LLP<br>121 SW SALMON STREET, SUITE 1600                                                                                                                                |
| Property Type<br>Application Number:<br>CORRESPONDENCE E<br>Fax Number:<br>Correspondence will b<br>using a fax number, if<br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 2:                                                                                   | e sent to<br>provideo | 16833446<br>(503)595-5301<br><b>D the e-mail address first; if that is unsuccessful, it will be sent</b><br><b>d; if that is unsuccessful, it will be sent via US Mail.</b><br>503-595-5300<br>camille.sakamoto@klarquist.com<br>CARSTEN C. GRELLMANN, KLARQUIST SPARKMAN, LLP<br>121 SW SALMON STREET, SUITE 1600<br>ONE WORLD TRADE CENTER                                                                                                      |
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| Property Type<br>Application Number:<br>CORRESPONDENCE E<br>Fax Number:<br>Correspondence will b<br>using a fax number, if<br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 2:<br>Address Line 4:                                                                | e sent to<br>provideo | 16833446<br>(503)595-5301<br><b>D the e-mail address first; if that is unsuccessful, it will be sent</b><br><b>d; if that is unsuccessful, it will be sent via US Mail.</b><br>503-595-5300<br>camille.sakamoto@klarquist.com<br>CARSTEN C. GRELLMANN, KLARQUIST SPARKMAN, LLP<br>121 SW SALMON STREET, SUITE 1600<br>ONE WORLD TRADE CENTER<br>PORTLAND, OREGON 97204                                                                            |
| Property Type<br>Application Number:<br>CORRESPONDENCE E<br>Fax Number:<br><i>Correspondence will b</i><br><i>using a fax number, if</i><br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:                                                                                        | e sent to<br>provideo | 16833446         (503)595-5301 <b>o</b> the e-mail address first; if that is unsuccessful, it will be sent d; if that is unsuccessful, it will be sent via US Mail.         503-595-5300         camille.sakamoto@klarquist.com         CARSTEN C. GRELLMANN, KLARQUIST SPARKMAN, LLP         121 SW SALMON STREET, SUITE 1600         ONE WORLD TRADE CENTER         PORTLAND, OREGON 97204         4550-102223-02                               |
| Property Type<br>Application Number:<br>CORRESPONDENCE D<br>Fax Number:<br>Correspondence will b<br>using a fax number, if<br>Phone:<br>Email:<br>Correspondent Name:<br>Address Line 1:<br>Address Line 1:<br>Address Line 2:<br>Address Line 4:<br>TTORNEY DOCKET NUME<br>AME OF SUBMITTER: | e sent to<br>provideo | 16833446         (503)595-5301         0 the e-mail address first; if that is unsuccessful, it will be sent d; if that is unsuccessful, it will be sent via US Mail.         503-595-5300         camille.sakamoto@klarquist.com         CARSTEN C. GRELLMANN, KLARQUIST SPARKMAN, LLP         121 SW SALMON STREET, SUITE 1600         ONE WORLD TRADE CENTER         PORTLAND, OREGON 97204         4550-102223-02         CARSTEN C. GRELLMANN |

**Total Attachments: 6** 

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## ASSIGNMENT

WHEREAS, we, Kahl Brown, of Moses Lake, WA (hereafter "Brown"), Matthew J. Miller, of Moses Lake, WA (hereafter "Miller"), Benjamin Center, of Moses Lake, WA (hereafter "Center"), Gerald A. Zeininger, of Long Beach, CA (hereafter "Zeininger"), and Stein Julsrud, of Moses Lake, WA (hereafter "Julsrud"), have invented a certain invention entitled PRESSURE-BASED CONTROL OF FLUIDIZED BED REACTOR, which is described at least in part in the following patent applications:

U.S. Provisional Patent Application No. 62/825,729, filed on March 28, 2019, entitled "PRESSURE-BASED PARTICLE SIZE CONTROL OF FLUIDIZED BED REACTOR,"
U.S. Patent Application No. <u>16/833,446</u>, filed on <u>March 27, 2020</u>, entitled "PRESSURE-BASED CONTROL OF FLUIDIZED BED REACTOR,"

PCT International Patent Application No. <u>PCT/US2020/025527</u>, filed on March 27, 2020 , entitled "PRESSURE-BASED CONTROL OF FLUIDIZED BED

REACTOR,"

which invention and applications are collectively referred to hereinafter as "the Invention."

WHEREAS, REC Silicon Inc, a corporation organized under the laws of the State of Delaware, having a place of business in the city of Moses Lake, WA, desires to acquire an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Brown, Miller, Center, Zeininger, and Julsrud hereby sell, assign, and transfer to REC Silicon Inc, the full and exclusive right, title, and interest in and to the Invention and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; the Invention, and letters patent in this or any foreign country, and all corresponding non-provisional applications, divisions, continuations, continuations-in-part, reissues, and extensions thereof, to be held and enjoyed by REC Silicon Inc, for its own use and benefit, and for its successors, and assigns, to the full end of the term for which letters patent may be granted by the United States or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to REC Silicon Inc, or its successors, and assigns, any facts known to us respecting the Invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and do everything possible to aid REC Silicon Inc, its successors, and assigns to obtain and enforce proper patent protection for the Invention in the United States or any foreign country.

We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information that may be necessary or desirable in order to comply with all applicable legal

Page 1 of 4

## PATENT REEL: 053322 FRAME: 0616

requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite our respective signatures below.

we -

'n

Kahl Brown

| Executed at | Moses Lake,    | , WA |
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| Date: 07    | 124/20         |      |

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4550-102223-06

recording this document.

Executed at the place and date opposite our respective signatures below.

| Executed at     |                           | Kahl Brown        |
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|                     |                                     |                     | Benjamin Center |
| Executed at         | Moses Lake/United States of America | Benjamin Center     | 5EC712AB57C1415 |
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|                            | Gerald A. Zeininzer |
| Long Beach, CA USA         | Gerald A. Zeininger |
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