

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM403702

|                                                                                                                                                                                                 |                                  |                       |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------|-----------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                   |                       |                       |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | SECURITY INTEREST                |                       |                       |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                  |                       |                       |
| <b>Name</b>                                                                                                                                                                                     | <b>Formerly</b>                  | <b>Execution Date</b> | <b>Entity Type</b>    |
| Solexel, Inc.                                                                                                                                                                                   |                                  | 12/19/2014            | Corporation: DELAWARE |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                  |                       |                       |
| <b>Name:</b>                                                                                                                                                                                    | Opus Bank                        |                       |                       |
| <b>Street Address:</b>                                                                                                                                                                          | 303 Twin Dolphin Drive, #6006    |                       |                       |
| <b>City:</b>                                                                                                                                                                                    | Redwood Shores                   |                       |                       |
| <b>State/Country:</b>                                                                                                                                                                           | CALIFORNIA                       |                       |                       |
| <b>Postal Code:</b>                                                                                                                                                                             | 94065                            |                       |                       |
| <b>Entity Type:</b>                                                                                                                                                                             | Commercial Bank: CALIFORNIA      |                       |                       |
| <b>PROPERTY NUMBERS Total: 7</b>                                                                                                                                                                |                                  |                       |                       |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                    | <b>Word Mark</b>      |                       |
| <b>Serial Number:</b>                                                                                                                                                                           | 87065387                         |                       |                       |
| <b>Serial Number:</b>                                                                                                                                                                           | 87063959                         | BEAMREACH SOLAR       |                       |
| <b>Serial Number:</b>                                                                                                                                                                           | 87065391                         | BEAMREACH             |                       |
| <b>Serial Number:</b>                                                                                                                                                                           | 87063971                         | BEAMREACH             |                       |
| <b>Serial Number:</b>                                                                                                                                                                           | 87063942                         |                       |                       |
| <b>Serial Number:</b>                                                                                                                                                                           | 87063900                         | SPRINT                |                       |
| <b>Serial Number:</b>                                                                                                                                                                           | 86973433                         | BEAMREACH             |                       |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                  |                       |                       |
| <b>Fax Number:</b>                                                                                                                                                                              | 8586385130                       |                       |                       |
| <i>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.</i> |                                  |                       |                       |
| <b>Phone:</b>                                                                                                                                                                                   | 858-677-1400                     |                       |                       |
| <b>Email:</b>                                                                                                                                                                                   | susan.reynolds@dlapiper.com      |                       |                       |
| <b>Correspondent Name:</b>                                                                                                                                                                      | DLA Piper LLP (US)               |                       |                       |
| <b>Address Line 1:</b>                                                                                                                                                                          | 4365 Executive Drive, Suite 1100 |                       |                       |
| <b>Address Line 4:</b>                                                                                                                                                                          | San Diego, CALIFORNIA 92121      |                       |                       |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | Troy Zander                      |                       |                       |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /s/ Troy Zander                  |                       |                       |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 10/30/2016                       |                       |                       |

CH \$190.00 87065387

**Total Attachments: 57**

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT (as amended, amended and restated, supplemented or otherwise modified from time to time, the "*IP Security Agreement*") dated as of December 19, 2014, is made by SOLEXEL, INC., a Delaware corporation (herein referred to as "*Grantor*" or "*Debtor*") in favor of OPUS BANK, a California Commercial Bank ("*Opus*" or "*Lender*") as Lender under that certain Credit Agreement dated as of the date hereof between Debtor and Lender (as amended and restated, supplemented or otherwise modified from time to time, the "*Credit Agreement*"). Capitalized terms used herein and not otherwise defined herein are used herein as defined in the Credit Agreement.

WHEREAS, as a condition precedent to the making of Loans by the Lender, Grantor has executed and delivered that certain General Security Agreement dated as of the date hereof between the Grantor and the Lender (as amended, amended and restated, supplemented or otherwise modified from time to time, the "*Security Agreement*").

WHEREAS, under the terms of the Security Agreement, the Grantor has granted a security interest in, among other property, certain intellectual property of the Grantor to the Lender, and has agreed as a condition thereof to execute this IP Security Agreement covering such intellectual property for recording with the U.S. Patent and Trademark Office, the United States Copyright Office and other governmental authorities.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Grantor agrees as follows:

**SECTION 1. Grant of Security.** Grantor hereby grants to the Lender a security interest in and to all of Grantor's right, title and interest in and to the following (the "*Collateral*"):

(i) the United States, international, and foreign patents, patent applications and patent licenses set forth in **Schedule A** hereto (as such Schedule A may be supplemented from time to time by supplements to the Security Agreement and this IP Security Agreement, each such supplement, an "*IP Security Agreement Supplement*"), executed and delivered by Grantor to the Lender from time to time), together with all reissues, divisions, continuations, continuations-in-part, extensions and reexaminations thereof, and all rights therein provided by international treaties or conventions (the "*Patents*"); provided, however, that in no event will any assets (including any interests in Borrower's Material IP) located outside of the United States be included in the Collateral;

(ii) the United States and foreign trademark and service mark registrations, applications, and licenses set forth in **Schedule B** hereto (as such Schedule B may be supplemented from time to time by IP Security Agreement Supplements executed and delivered by Grantor to the Lender from time to time) (the "*Trademarks*");

(iii) the copyrights, United States and foreign copyright registrations and applications and copyright licenses set forth in **Schedule C** hereto (as such Schedule C may

be supplemented from time to time by IP Security Agreement Supplements executed and delivered by Grantor to the Lender from time to time) (the “Copyrights”);

(iv) any and all claims for damages for past, present and future infringement, misappropriation or breach with respect to the Patents, Trademarks and Copyrights, with the right, but not the obligation, to sue for and collect, or otherwise recover, such damages; and

(v) any and all proceeds of the foregoing.

Notwithstanding the foregoing, however, the Collateral shall not include any intent-to-use trademarks, prior to the filing of a “Statement of Use” with respect thereto if and solely to the extent that (and so long as) any such intent-to-use trademark application would be rendered void by the attachment or creation of a security interest in the right, title or interest of such Grantor therein).

**SECTION 2. Security for Obligations.** The grant of a security interest in, the Collateral by Grantor under this IP Security Agreement secures the payment of the Obligations (as defined in the Security Agreement) of Grantor now or hereafter existing, whether direct or indirect, absolute or contingent, and whether for principal, reimbursement obligations, interest (including any interest that accrues after the commencement of bankruptcy), premiums, penalties, fees, indemnifications, contract causes of action, costs, expenses or otherwise.

**SECTION 3. Recordation.** Grantor authorizes and requests that the Register of Copyrights, the Commissioner of Patents and Trademarks and any other applicable government officer record this IP Security Agreement.

**SECTION 4. Execution in Counterparts.** This Agreement may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

**SECTION 5. Grants, Rights and Remedies.** This IP Security Agreement has been entered into in conjunction with the provisions of the Security Agreement. Grantor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Lender with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein.

**SECTION 6. Governing Law.** This IP Security Agreement shall be governed by, and construed in accordance with, the law of the State of California.

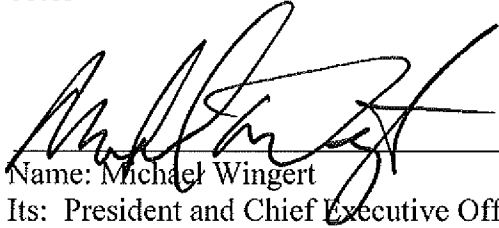
[Signature Page Follows]

IN WITNESS WHEREOF, Grantor has caused this IP Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

**Address for Notices:**


Solexel, Inc.  
1504-1530 McCarthy Blvd.  
Milpitas, CA 95035  
Attention: Mark Kerstens

SOLEXEL, INC., a Delaware corporation, as  
Debtor

By:   
Name: Michael Wingert  
Its: President and Chief Executive Officer

IN WITNESS WHEREOF, the Lender has caused this IP Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

**OPUS BANK**, as Lender

By:   
Name: Kevin P. McBride  
Its: Senior Managing Director

**Address for Notices:**

303 Twin Dolphin Drive  
#6006  
Redwood Shores, California 94065  
Attn: Kevin McBride, Managing Director  
Telephone: (415) 683-9580  
E-mail: [kmcbride@opusbank.com](mailto:kmcbride@opusbank.com)

[SIGNATURE PAGE TO IP SECURITY AGREEMENT]

**TRADEMARK**  
**REEL: 005909 FRAME: 0499**

**PATENTS**

| <u>Description</u>                                                                                     | <u>Patent/<br/>Appl. No.</u> | <u>Issue/<br/>File Date</u> |
|--------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------|
| Trench isolation for monolithically isled solar photovoltaic cells and modules                         | 9130076                      | 9/8/15                      |
| High-frequency photovoltaic back-contact solar cell structures and manufacturing methods               | 9196759                      | 11/24/15                    |
| Methods for manufacturing three-dimensional thin-film solar cells                                      | 9196759                      | 11/24/15                    |
| Single passivated contacts for back contact back junction solar cells                                  | 14576161                     | 12/18/14                    |
| Amorphous silicon passivated contacts for back contact back junction solar cells                       | 14582090                     | 12/23/14                    |
| Self aligned contacts for solar cells                                                                  | 14582177                     | 12/23/14                    |
| Discontinuous emitter and base islands for back contact solar cells                                    | 14596213                     | 1/13/15                     |
| Structures and methods for high-efficiency pyramidal three-dimensional solar cells                     | 14601123                     | 1/20/15                     |
| Active backplane for thin silicon solar cells                                                          | 14615335                     | 2/5/15                      |
| Systems and methods for monolithically isled photovoltaic cells                                        | 14659235                     | 3/16/15                     |
| Systems and methods for monolithically isled photovoltaic cells                                        | 14666303                     | 3/23/15                     |
| Damage free laser patterning of transparent layers for forming doped regions on a solar cell substrate | 14787858                     | 10/29/15                    |



**TRADEMARKS**

| <u>Description</u> | <u>Serial No.</u> | <u>File Date</u> |
|--------------------|-------------------|------------------|
| Design             | 87065387          | 6/8/16           |
| BEAMREACH SOLAR    | 87063959          | 6/8/16           |
| BEAMREACH          | 87065391          | 6/8/16           |
| BEAMREACH          | 87063971          | 6/8/16           |
| Design             | 87063942          | 6/8/16           |
| SPRINT             | 87063900          | 6/8/16           |
| BEAMREACH          | 86973433          | 4/12/16          |

**Schedule A to the  
IP Security Agreement**

**PATENTS:**

(See Attached)

Patent LisvStatus (by Case Number)

| Case Number                                                                                 | Sub Case | Case Type | Application No.  | Publication No.  | Patent No.  | Status    |
|---------------------------------------------------------------------------------------------|----------|-----------|------------------|------------------|-------------|-----------|
| Country                                                                                     |          |           | Filing Date      | Publication Date | Patent Date |           |
| 001                                                                                         | EP       | PCT       | 07868383.6-1235  |                  |             | Pending   |
| European Patent Convention                                                                  |          |           |                  |                  |             |           |
| Owner Name: Solexel, Inc.                                                                   |          |           |                  |                  |             |           |
| Division Name:                                                                              |          |           |                  |                  |             |           |
| Agent Name: Richardt Patentanwalt                                                           |          |           |                  |                  |             |           |
| Title: Template for three-dimensional thin-film solar cell manufacturing and methods of use |          |           |                  |                  |             |           |
| 001                                                                                         | IN       | PCT       | 1756/K/OLNP/2009 |                  |             | Pending   |
| India                                                                                       |          |           |                  |                  |             |           |
| Owner Name: Solexel, Inc.                                                                   |          |           |                  |                  |             |           |
| Division Name:                                                                              |          |           |                  |                  |             |           |
| Agent Name: D.P. Ahuja & Co.                                                                |          |           |                  |                  |             |           |
| Title: Template for three-dimensional thin-film solar cell manufacturing and methods of use |          |           |                  |                  |             |           |
| 001                                                                                         | DIW1     | PCT       | 2014-084330      |                  |             | Pending   |
| Japan                                                                                       |          |           |                  |                  |             |           |
| Owner Name: Solexel, Inc.                                                                   |          |           |                  |                  |             |           |
| Division Name:                                                                              |          |           |                  |                  |             |           |
| Agent Name: Nakamura & Partners                                                             |          |           |                  |                  |             |           |
| Title: Template for three-dimensional thin-film solar cell manufacturing and methods of use |          |           |                  |                  |             |           |
| 001                                                                                         | JP       | PCT       | 2009-532512      |                  | 5528809     | Granted   |
| Japan                                                                                       |          |           |                  |                  |             |           |
| Owner Name: Solexel, Inc.                                                                   |          |           |                  |                  |             |           |
| Division Name:                                                                              |          |           |                  |                  |             |           |
| Agent Name: Nakamura & Partners                                                             |          |           |                  |                  |             |           |
| Title: Template for three-dimensional thin-film solar cell manufacturing and methods of use |          |           |                  |                  |             |           |
| 001                                                                                         | 0        | ORD       | 11/868,488       | 20080157283      | 8129822     | Granted   |
| United States of America                                                                    |          |           |                  |                  |             |           |
| Owner Name: Solexel, Inc.                                                                   |          |           |                  |                  |             |           |
| Division Name:                                                                              |          |           |                  |                  |             |           |
| Agent Name:                                                                                 |          |           |                  |                  |             |           |
| Title: Template for three-dimensional thin-film solar cell manufacturing and methods of use |          |           |                  |                  |             |           |
| 002                                                                                         | 1        | ORD       | 12/767,791       | 20100304521      |             | Published |
| United States of America                                                                    |          |           |                  |                  |             |           |
| Owner Name: Solexel, Inc.                                                                   |          |           |                  |                  |             |           |
| Division Name:                                                                              |          |           |                  |                  |             |           |
| Agent Name:                                                                                 |          |           |                  |                  |             |           |
| Title: METHODS FOR MANUFACTURING THREE-DIMENSIONAL THIN-FILM SOLAR CELLS                    |          |           |                  |                  |             |           |

Patent LisvStatus (by Case Number)

| Case Number                                                                                     | Sub Case | Case Type | Application No. | Publication No. | Patent No. | Status  |
|-------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|------------|---------|
| 003                                                                                             | 0        | ORD       | 1/1868,490      | 20080295887     | 8084684    | Granted |
| United States of America                                                                        |          |           |                 |                 |            |         |
| Owner Name: Solexel, Inc.                                                                       |          |           |                 |                 |            |         |
| Division Name:                                                                                  |          |           |                 |                 |            |         |
| Agent Name:                                                                                     |          |           |                 |                 |            |         |
| Title: Three-dimensional thin-film solar cells                                                  |          |           |                 |                 |            |         |
| 003                                                                                             | 1        | ORD       | 13/355,237      | 20120180867     | 8324499    | Granted |
| United States of America                                                                        |          |           |                 |                 |            |         |
| Owner Name: Solexel, Inc.                                                                       |          |           |                 |                 |            |         |
| Division Name:                                                                                  |          |           |                 |                 |            |         |
| Agent Name:                                                                                     |          |           |                 |                 |            |         |
| Title: Three-dimensional thin-film solar cells                                                  |          |           |                 |                 |            |         |
| 003                                                                                             | 2        | ORD       | 13/692,599      | 20130167904     |            | Allowed |
| United States of America                                                                        |          |           |                 |                 |            |         |
| Owner Name: Solexel, Inc.                                                                       |          |           |                 |                 |            |         |
| Division Name:                                                                                  |          |           |                 |                 |            |         |
| Agent Name:                                                                                     |          |           |                 |                 |            |         |
| Title: Three-dimensional thin-film solar cells                                                  |          |           |                 |                 |            |         |
| 004                                                                                             | 0        | ORD       | 1/1868,491      | 20090301549     | 7999174    | Granted |
| United States of America                                                                        |          |           |                 |                 |            |         |
| Owner Name: Solexel, Inc.                                                                       |          |           |                 |                 |            |         |
| Division Name:                                                                                  |          |           |                 |                 |            |         |
| Agent Name:                                                                                     |          |           |                 |                 |            |         |
| Title: Solar module structures and assembly methods for three-dimensional thin-film solar cells |          |           |                 |                 |            |         |
| 004                                                                                             | 1        | ORD       | 13/187,291      | 20120017971     | 8742249    | Granted |
| United States of America                                                                        |          |           |                 |                 |            |         |
| Owner Name: Solexel, Inc.                                                                       |          |           |                 |                 |            |         |
| Division Name:                                                                                  |          |           |                 |                 |            |         |
| Agent Name:                                                                                     |          |           |                 |                 |            |         |
| Title: Solar module structures and assembly methods for three-dimensional thin-film solar cells |          |           |                 |                 |            |         |
| 004                                                                                             | 2        | ORD       | 14/293,676      |                 |            | Pending |
| United States of America                                                                        |          |           |                 |                 |            |         |
| Owner Name: Solexel, Inc.                                                                       |          |           |                 |                 |            |         |
| Division Name:                                                                                  |          |           |                 |                 |            |         |
| Agent Name:                                                                                     |          |           |                 |                 |            |         |
| Title: SOLAR MODULE STRUCTURES AND ASSEMBLY METHODS FOR THREE-DIMENSIONAL THIN-FILM SOLAR CELLS |          |           |                 |                 |            |         |

Wednesday, December 17, 2014

## Patent LisvStatus (by Case Number)

Page 3 of 46

| Case Number                                                  | Sub Case | Case Type | Application No.                           | Publication No. | Patent No.   | Status  |
|--------------------------------------------------------------|----------|-----------|-------------------------------------------|-----------------|--------------|---------|
| 005                                                          | 0        | ORD       | 11/841,629                                | 20080047601     | 7786376      | Granted |
|                                                              |          |           | 20-Aug-2007                               | 28-Feb-2008     | 31-Aug-2010  |         |
|                                                              |          |           | Attorneys:                                |                 |              |         |
|                                                              |          |           | <u>Client Reference:</u>                  |                 |              |         |
|                                                              |          |           | <u>Agent Reference:</u>                   |                 |              |         |
| United States of America                                     |          |           |                                           |                 |              |         |
|                                                              |          |           | Owner Name: Solexel, Inc.                 |                 |              |         |
|                                                              |          |           | <u>Division Name:</u>                     |                 |              |         |
|                                                              |          |           | <u>Agent Name:</u>                        |                 |              |         |
| Title: HIGH EFFICIENCY SOLAR CELLS AND MANUFACTURING METHODS |          |           |                                           |                 |              |         |
| 007                                                          | CN       | PCT       | 200780045520.2                            | 101657904       | 200780045520 | Granted |
|                                                              |          |           | 07-Oct-2007                               | 24-Feb-2010     | 11-Jul-2012  |         |
|                                                              |          |           | Attorneys: JW IP                          |                 |              |         |
|                                                              |          |           | <u>Client Reference:</u>                  |                 |              |         |
|                                                              |          |           | <u>Agent Reference:</u> JQIP111043US      |                 |              |         |
| China (People's Republic)                                    |          |           |                                           |                 |              |         |
|                                                              |          |           | Owner Name: Solexel, Inc.                 |                 |              |         |
|                                                              |          |           | <u>Division Name:</u>                     |                 |              |         |
|                                                              |          |           | <u>Agent Name:</u> Jiaquan IP Law Firm    |                 |              |         |
| Title: Pyramidal three-dimensional thin-film solar cells     |          |           |                                           |                 |              |         |
| 007                                                          | EP       | PCT       | 07868386.9-1235                           |                 |              | Pending |
| European Patent Convention                                   |          |           |                                           |                 |              |         |
|                                                              |          |           | Owner Name: Solexel, Inc.                 |                 |              |         |
|                                                              |          |           | <u>Division Name:</u>                     |                 |              |         |
|                                                              |          |           | <u>Agent Name:</u> Richardt Patentanwälte |                 |              |         |
| Title: Pyramidal three-dimensional thin-film solar cells     |          |           |                                           |                 |              |         |
| 007                                                          | IN       | PCT       | 1725/KOLNP/2009                           |                 |              | Pending |
|                                                              |          |           | 08-May-2009                               |                 |              |         |
|                                                              |          |           | Attorneys: JW IP                          |                 |              |         |
|                                                              |          |           | <u>Client Reference:</u>                  |                 |              |         |
|                                                              |          |           | <u>Agent Reference:</u> PN22158           |                 |              |         |
| India                                                        |          |           |                                           |                 |              |         |
|                                                              |          |           | Owner Name: Solexel, Inc.                 |                 |              |         |
|                                                              |          |           | <u>Division Name:</u>                     |                 |              |         |
|                                                              |          |           | <u>Agent Name:</u> D.P. Ahuja & Co.       |                 |              |         |
| Title: Pyramidal three-dimensional thin-film solar cells     |          |           |                                           |                 |              |         |
| 007                                                          | DIV1     | PCT       | 2014-076786                               |                 |              | Pending |
|                                                              |          |           | 03-Apr-2014                               |                 |              |         |
|                                                              |          |           | Attorneys: JW IP                          |                 |              |         |
|                                                              |          |           | <u>Client Reference:</u>                  |                 |              |         |
|                                                              |          |           | <u>Agent Reference:</u> X1V-1261          |                 |              |         |
| Japan                                                        |          |           |                                           |                 |              |         |
|                                                              |          |           | Owner Name: Solexel, Inc.                 |                 |              |         |
|                                                              |          |           | <u>Division Name:</u>                     |                 |              |         |
|                                                              |          |           | <u>Agent Name:</u> Nakamura & Partners    |                 |              |         |
| Title: Pyramidal three-dimensional thin-film solar cells     |          |           |                                           |                 |              |         |
| 007                                                          | JP       | PCT       | 2009-532513                               |                 | 5519285      | Granted |
|                                                              |          |           | 07-Oct-2007                               |                 |              |         |
|                                                              |          |           | 11-Apr-2014                               |                 |              |         |
|                                                              |          |           | Attorneys: JW IP                          |                 |              |         |
|                                                              |          |           | <u>Client Reference:</u>                  |                 |              |         |
|                                                              |          |           | <u>Agent Reference:</u> X1V-1257          |                 |              |         |
| Japan                                                        |          |           |                                           |                 |              |         |
|                                                              |          |           | Owner Name: Solexel, Inc.                 |                 |              |         |
|                                                              |          |           | <u>Division Name:</u>                     |                 |              |         |
|                                                              |          |           | <u>Agent Name:</u> Nakamura & Partners    |                 |              |         |
| Title: Pyramidal three-dimensional thin-film solar cells     |          |           |                                           |                 |              |         |

TRADEMARK

REEL: 005909 FRAME: 0505

Patent LisvStatus (by Case Number)

| Case Number                                                                                                                                                                                                                                                                                           | Country                    | Sub Case | Case Type | Application No. | Filing Date | Publication No. | Publication Date | Patent No. | Patent Date | Status    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------|-----------|-----------------|-------------|-----------------|------------------|------------|-------------|-----------|
| 007                                                                                                                                                                                                                                                                                                   | United States of America   | 0        | ORD       | 11/868,493      | 06-Oct-2007 | 20080289684     | 27-Nov-2008      | 8035028    | 11-Oct-2011 | Granted   |
| <u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u><br><u>Title:</u> Pyramidal three-dimensional thin-film solar cells<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u>                                                                  |                            |          |           |                 |             |                 |                  |            |             |           |
| 008                                                                                                                                                                                                                                                                                                   | United States of America   | 0        | ORD       | 11/868,494      | 06-Oct-2007 | 20080210294     | 04-Sep-2008      | 8035027    | 11-Oct-2011 | Granted   |
| <u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u><br><u>Title:</u> Pyramidal three-dimensional thin-film solar cells<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u>                                                                  |                            |          |           |                 |             |                 |                  |            |             |           |
| 008                                                                                                                                                                                                                                                                                                   | United States of America   | 1        | ORD       | 13/188,303      | 21-Jul-2011 | 20120012160     | 19-Jan-2012      | 8847060    | 30-Sep-2014 | Granted   |
| <u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u><br><u>Title:</u> Solar module structures and assembly methods for pyramidal three-dimensional thin-film solar cells<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u>                 |                            |          |           |                 |             |                 |                  |            |             |           |
| 008                                                                                                                                                                                                                                                                                                   | United States of America   | 2        | ORD       | 14/500,757      | 29-Sep-2014 |                 |                  |            |             | Pending   |
| <u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u><br><u>Title:</u> Solar module structures and assembly methods for pyramidal three-dimensional thin-film solar cells<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u>                 |                            |          |           |                 |             |                 |                  |            |             |           |
| 009                                                                                                                                                                                                                                                                                                   | European Patent Convention | EP1      | PCT       | 107/49454.4     | 08-Mar-2010 | 2404317         | 11-Jan-2012      |            |             | Published |
| <u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u><br><u>Title:</u> Solar module structures and assembly methods for pyramidal three-dimensional thin-film solar cells<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u> SOL.211.06 WOEP |                            |          |           |                 |             |                 |                  |            |             |           |
| 009                                                                                                                                                                                                                                                                                                   | United States of America   | 0        | ORD       | 12/473,811      | 28-May-2009 | 20100022074     | 20100022074      | 7745313    | 29-Jun-2010 | Granted   |
| <u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u><br><u>Title:</u> Substrate release methods and apparatuses<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u>                                                                          |                            |          |           |                 |             |                 |                  |            |             |           |

Patent LisvStatus (by Case Number)

| Case Number                                                                | Sub Case | Case Type | Application No. | Publication No. | Patent No.  | Status    |
|----------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|-------------|-----------|
| 009                                                                        | 1        | ORD       | 12/719,766      | 20100279494     | 8293558     | Granted   |
|                                                                            |          |           | 08-Mar-2010     | 04-Nov-2010     | 23-Oct-2012 |           |
| United States of America                                                   |          |           |                 |                 |             |           |
| Owner Name: Solexel, Inc.                                                  |          |           |                 |                 |             |           |
| Division Name:                                                             |          |           |                 |                 |             |           |
| Agent Name:                                                                |          |           |                 |                 |             |           |
| Title: Substrate release methods and apparatuses                           |          |           |                 |                 |             |           |
| 009                                                                        | 2        | ORD       | 12/826,641      | 20110021006     | 8193076     | Granted   |
|                                                                            |          |           | 29-Jun-2010     | 27-Jan-2011     | 05-Jun-2012 |           |
| United States of America                                                   |          |           |                 |                 |             |           |
| Owner Name: Solexel, Inc.                                                  |          |           |                 |                 |             |           |
| Division Name:                                                             |          |           |                 |                 |             |           |
| Agent Name:                                                                |          |           |                 |                 |             |           |
| Title: Substrate release methods and apparatuses                           |          |           |                 |                 |             |           |
| 009                                                                        | 3        | ORD       | 13/463,757      | 20120272490     |             | Published |
|                                                                            |          |           | 03-May-2012     | 01-Nov-2012     |             |           |
| United States of America                                                   |          |           |                 |                 |             |           |
| Owner Name: Solexel, Inc.                                                  |          |           |                 |                 |             |           |
| Division Name:                                                             |          |           |                 |                 |             |           |
| Agent Name:                                                                |          |           |                 |                 |             |           |
| Title: Substrate release methods and apparatuses                           |          |           |                 |                 |             |           |
| 009                                                                        | 4        | ORD       | 13/657,718      | 20130280887     |             | Published |
|                                                                            |          |           | 22-Oct-2012     | 24-Oct-2013     |             |           |
| United States of America                                                   |          |           |                 |                 |             |           |
| Owner Name: Solexel, Inc.                                                  |          |           |                 |                 |             |           |
| Division Name:                                                             |          |           |                 |                 |             |           |
| Agent Name:                                                                |          |           |                 |                 |             |           |
| Title: Method For Releasing a Thin-Film Substrate                          |          |           |                 |                 |             |           |
| 010                                                                        | 0        | ORD       | 12/193,415      | 20090042320     | 8512581     | Granted   |
|                                                                            |          |           | 18-Aug-2008     | 12-Feb-2009     | 20-Aug-2013 |           |
| United States of America                                                   |          |           |                 |                 |             |           |
| Owner Name: Solexel, Inc.                                                  |          |           |                 |                 |             |           |
| Division Name:                                                             |          |           |                 |                 |             |           |
| Agent Name:                                                                |          |           |                 |                 |             |           |
| Title: METHODS FOR LIQUID TRANSFER COATING OF THREE-DIMENSIONAL SUBSTRATES |          |           |                 |                 |             |           |
| 010                                                                        | 1        | ORD       | 13/942,150      | 20140127834     |             | Allowed   |
|                                                                            |          |           | 15-Jul-2013     | 08-May-2014     |             |           |
| United States of America                                                   |          |           |                 |                 |             |           |
| Owner Name: Solexel, Inc.                                                  |          |           |                 |                 |             |           |
| Division Name:                                                             |          |           |                 |                 |             |           |
| Agent Name:                                                                |          |           |                 |                 |             |           |
| Title: METHODS FOR LIQUID TRANSFER COATING OF THREE-DIMENSIONAL SUBSTRATES |          |           |                 |                 |             |           |

Patent LisvStatus (by Case Number)

| Case Number                                                                                                                                                                                                                                                                                                         | Country | Sub Case | Case Type | Application No. | Filing Date | Publication No. | Publication Date | Patent No. | Patent Date | Status    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------|-----------|-----------------|-------------|-----------------|------------------|------------|-------------|-----------|
| 017                                                                                                                                                                                                                                                                                                                 |         | EP       | PCT       | 09826880.8      | 13-Nov-2009 | 2356675         |                  |            |             | Allowed   |
| <u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u> Richardt Patentanwalt<br><u>Title:</u> Three-dimensional semiconductor template for making high efficiency thin-film solar cells<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u> SOL.211.02 WO EP |         |          |           |                 |             |                 |                  |            |             |           |
| 017                                                                                                                                                                                                                                                                                                                 |         | 0        | ORD       | 12/618,649      | 13-Nov-2009 | 20100148318     |                  | 8168465    | 01-May-2012 | Granted   |
| <u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u> Richardt Patentanwalt<br><u>Title:</u> Three-dimensional semiconductor template for making high efficiency thin-film solar cells<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u> SOL.211.01 WO EP |         |          |           |                 |             |                 |                  |            |             |           |
| 017                                                                                                                                                                                                                                                                                                                 |         | 1        | ORD       | 13/345,935      | 09-Jan-2012 | 20120174861     |                  | 8664737    | 04-Mar-2014 | Granted   |
| <u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u> Richardt Patentanwalt<br><u>Title:</u> Three-dimensional semiconductor template for making high efficiency thin-film solar cells<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u>                  |         |          |           |                 |             |                 |                  |            |             |           |
| 017                                                                                                                                                                                                                                                                                                                 |         | 2        | ORD       | 14/195,748      | 20-Mar-2014 |                 |                  |            |             | Pending   |
| <u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u> Richardt Patentanwalt<br><u>Title:</u> Three-dimensional semiconductor template for making high efficiency thin-film solar cells<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u>                  |         |          |           |                 |             |                 |                  |            |             |           |
| 018                                                                                                                                                                                                                                                                                                                 |         | EP       | PCT       | 09829825        | 27-Nov-2009 | 2371006         |                  |            |             | Published |
| <u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u> Richardt Patentanwalt<br><u>Title:</u> Truncated pyramid structures for see-through solar cells<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u> SOL.211.01 WO EP                                  |         |          |           |                 |             |                 |                  |            |             |           |
| 018                                                                                                                                                                                                                                                                                                                 |         | MY       | PCT       | P12011002341    | 25-May-2001 |                 |                  |            |             | Pending   |
| <u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u> Pintas IP Group<br><u>Title:</u> Truncated pyramid structures for see-through solar cells<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u> PT/3919/Hulsev/11                                       |         |          |           |                 |             |                 |                  |            |             |           |



Patent LisvStatus (by Case Number)

| Case Number                                                                                                                                                                                                                                             | Sub Case | Case Type | Application No. | Filing Date | Publication No. | Publication Date | Patent No. | Patent Date | Status  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-------------|-----------------|------------------|------------|-------------|---------|
| 018                                                                                                                                                                                                                                                     | 0        | ORD       | 12626,778       | 27-Nov-2009 | 20100116316     | 13-May-2010      | 8053665    | 08-Nov-2011 | Granted |
| United States of America<br>Owner Name: Solexel, Inc.<br>Division Name:<br>Agent Name:                                                                                                                                                                  |          |           |                 |             |                 |                  |            |             |         |
| Title: Truncated pyramid structures for see-through solar cells<br>Attorneys: JW IP<br>Client Reference:<br>Agent Reference:                                                                                                                            |          |           |                 |             |                 |                  |            |             |         |
| 018                                                                                                                                                                                                                                                     | 2        | ORD       | 13/193,302      | 28-Jul-2011 | 20120021560     | 26-Jan-2012      | 8853521    | 07-Oct-2014 | Granted |
| United States of America<br>Owner Name: Solexel, Inc.<br>Division Name:<br>Agent Name:                                                                                                                                                                  |          |           |                 |             |                 |                  |            |             |         |
| Title: Truncated pyramid structures for see-through solar cells<br>Attorneys: JW IP<br>Client Reference:<br>Agent Reference:                                                                                                                            |          |           |                 |             |                 |                  |            |             |         |
| 018                                                                                                                                                                                                                                                     | 3        | ORD       | 14/507,786      | 06-Oct-2014 |                 |                  |            |             | Pending |
| United States of America<br>Owner Name: Solexel, Inc.<br>Division Name:<br>Agent Name:                                                                                                                                                                  |          |           |                 |             |                 |                  |            |             |         |
| Title: Truncated pyramid structures for see-through solar cells<br>Attorneys: JW IP<br>Client Reference:<br>Agent Reference:                                                                                                                            |          |           |                 |             |                 |                  |            |             |         |
| 019                                                                                                                                                                                                                                                     | 0        | ORD       | 12/728,772      | 22-Mar-2010 | 20100294333     | 25-Nov-2010      | 8828517    | 09-Sep-2014 | Granted |
| United States of America<br>Owner Name: Solexel, Inc.<br>Division Name:<br>Agent Name:                                                                                                                                                                  |          |           |                 |             |                 |                  |            |             |         |
| Title: TRUNCATED PYRAMID STRUCTURES FOR SEE-THROUGH SOLAR CELLS<br>Attorneys: JW IP<br>Client Reference:<br>Agent Reference:                                                                                                                            |          |           |                 |             |                 |                  |            |             |         |
| 019                                                                                                                                                                                                                                                     | 1        | ORD       | 14/479,523      | 08-Sep-2014 |                 |                  |            |             | Pending |
| United States of America<br>Owner Name: Solexel, Inc.<br>Division Name:<br>Agent Name:                                                                                                                                                                  |          |           |                 |             |                 |                  |            |             |         |
| Title: STRUCTURE AND METHOD FOR IMPROVING SOLAR CELL EFFICIENCY AND MECHANICAL STRENGTH<br>Attorneys: JW IP<br>Client Reference:<br>Agent Reference:                                                                                                    |          |           |                 |             |                 |                  |            |             |         |
| 020                                                                                                                                                                                                                                                     | EP       | PCT       | 10732153.1      | 15-Jan-2010 | 2387458         | 23-Nov-2011      | 2387458    | 05-Mar-2014 | Granted |
| European Patent Convention<br>Owner Name: Solexel, Inc.<br>Division Name:<br>Agent Name: Richardt Patentanwälte<br>Title: POROUS SILICON ELECTRO-ETCHING SYSTEM AND METHOD<br>Attorneys: JW IP<br>Client Reference:<br>Agent Reference: SOL_211.03 WOEP |          |           |                 |             |                 |                  |            |             |         |

Patent LisvStatus (by Case Number)

| Case Number                                                                                               | Sub Case | Case Type | Application No. | Publication No. | Patent No. | Status    |
|-----------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|------------|-----------|
| 020                                                                                                       | MY       | PCT       | PI2011003342    |                 |            | Pending   |
| Malaysia                                                                                                  |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                 |          |           |                 |                 |            |           |
| Division Name:                                                                                            |          |           |                 |                 |            |           |
| Agent Name: Pintas IP Group                                                                               |          |           |                 |                 |            |           |
| Title: POROUS SILICON ELECTRO-ETCHING SYSTEM AND METHOD                                                   |          |           |                 |                 |            |           |
| 020                                                                                                       | 0        | ORD       | 12/688,495      | 20110120882     |            | Allowed   |
| United States of America                                                                                  |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                 |          |           |                 |                 |            |           |
| Division Name:                                                                                            |          |           |                 |                 |            |           |
| Agent Name: Richardt Patentanwalt                                                                         |          |           |                 |                 |            |           |
| Title: POROUS SILICON ELECTRO-ETCHING SYSTEM AND METHOD                                                   |          |           |                 |                 |            |           |
| 021                                                                                                       | CN       | PCT       | 2010800604938   | 102714227       |            | Published |
| China (People's Republic)                                                                                 |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                 |          |           |                 |                 |            |           |
| Division Name:                                                                                            |          |           |                 |                 |            |           |
| Agent Name: Jiaquan IP Law Firm                                                                           |          |           |                 |                 |            |           |
| Title: STRUCTURES AND METHODS FOR HIGH-EFFICIENCY PYRAMIDAL THREE-DIMENSIONAL SOLAR CELLS                 |          |           |                 |                 |            |           |
| 021                                                                                                       | EP       | PCT       | 10830677.0      | 2499674         |            | Published |
| European Patent Convention                                                                                |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                 |          |           |                 |                 |            |           |
| Division Name:                                                                                            |          |           |                 |                 |            |           |
| Agent Name: Richardt Patentanwalt                                                                         |          |           |                 |                 |            |           |
| Title: STRUCTURES AND METHODS FOR HIGH-EFFICIENCY PYRAMIDAL THREE-DIMENSIONAL SOLAR CELLS                 |          |           |                 |                 |            |           |
| 021                                                                                                       | 0        | ORD       | 12/615,383      | 20110108098     |            | Allowed   |
| United States of America                                                                                  |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                 |          |           |                 |                 |            |           |
| Division Name:                                                                                            |          |           |                 |                 |            |           |
| Agent Name: Richardt Patentanwalt                                                                         |          |           |                 |                 |            |           |
| Title: STRUCTURES AND METHODS FOR HIGH-EFFICIENCY PYRAMIDAL THREE-DIMENSIONAL SOLAR CELLS                 |          |           |                 |                 |            |           |
| 022                                                                                                       | EP       | PCT       | 10739242.5      | 2394296         |            | Published |
| European Patent Convention                                                                                |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                 |          |           |                 |                 |            |           |
| Division Name:                                                                                            |          |           |                 |                 |            |           |
| Agent Name: Richardt Patentanwalt                                                                         |          |           |                 |                 |            |           |
| Title: Trench formation method for releasing a thin-film substrate from a reusable semiconductor template |          |           |                 |                 |            |           |
| 022                                                                                                       | EP       | PCT       | 08-Feb-2010     | 14-Dec-2011     |            | Published |
| European Patent Convention                                                                                |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                 |          |           |                 |                 |            |           |
| Division Name:                                                                                            |          |           |                 |                 |            |           |
| Agent Name: Richardt Patentanwalt                                                                         |          |           |                 |                 |            |           |
| Title: Trench formation method for releasing a thin-film substrate from a reusable semiconductor template |          |           |                 |                 |            |           |

Patent LisvStatus (by Case Number)

| Case Number                                                                                                      | Sub Case | Case Type | Application No. | Publication No.  | Patent No.  | Status    |
|------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|------------------|-------------|-----------|
| Country                                                                                                          |          |           | Filing Date     | Publication Date | Patent Date |           |
| 022                                                                                                              | MY       | PCT       | PI2011700122    |                  |             | Pending   |
| Malaysia                                                                                                         |          |           |                 |                  |             |           |
| <u>Owner Name:</u> Solexel, Inc.                                                                                 |          |           |                 |                  |             |           |
| <u>Division Name:</u>                                                                                            |          |           |                 |                  |             |           |
| <u>Agent Name:</u> Pintas IP Group                                                                               |          |           |                 |                  |             |           |
| <u>Title:</u> Trench formation method for releasing a thin-film substrate from a reusable semiconductor template |          |           |                 |                  |             |           |
| 022                                                                                                              | 0        | ORD       | 12/702,187      | 20100203711      | 8278192     | Granted   |
| United States of America                                                                                         |          |           |                 |                  |             |           |
| <u>Owner Name:</u> Solexel, Inc.                                                                                 |          |           |                 |                  |             |           |
| <u>Division Name:</u>                                                                                            |          |           |                 |                  |             |           |
| <u>Agent Name:</u> Solexel, Inc.                                                                                 |          |           |                 |                  |             |           |
| <u>Title:</u> Trench formation method for releasing a thin-film substrate from a reusable semiconductor template |          |           |                 |                  |             |           |
| 022                                                                                                              | 1        | ORD       | 13/633,723      | 20130273721      |             | Published |
| United States of America                                                                                         |          |           |                 |                  |             |           |
| <u>Owner Name:</u> Solexel, Inc.                                                                                 |          |           |                 |                  |             |           |
| <u>Division Name:</u>                                                                                            |          |           |                 |                  |             |           |
| <u>Agent Name:</u> Solexel, Inc.                                                                                 |          |           |                 |                  |             |           |
| <u>Title:</u> Trench formation method for releasing a thin-film substrate from a reusable semiconductor template |          |           |                 |                  |             |           |
| 024                                                                                                              | CN       | PCT       | 201080021690.9  | 102427971        |             | Allowed   |
| China (People's Republic)                                                                                        |          |           |                 |                  |             |           |
| <u>Owner Name:</u> Solexel, Inc.                                                                                 |          |           |                 |                  |             |           |
| <u>Division Name:</u>                                                                                            |          |           |                 |                  |             |           |
| <u>Agent Name:</u> Jiaquan IP Law Firm                                                                           |          |           |                 |                  |             |           |
| <u>Title:</u> HIGH EFFICIENCY EPITAXIAL CHEMICAL VAPOR DEPOSITION (CVD) REACTOR                                  |          |           |                 |                  |             |           |
| 024                                                                                                              | EP       | PCT       | 10765064.0      | 2419306          |             | Published |
| European Patent Convention                                                                                       |          |           |                 |                  |             |           |
| <u>Owner Name:</u> Solexel, Inc.                                                                                 |          |           |                 |                  |             |           |
| <u>Division Name:</u>                                                                                            |          |           |                 |                  |             |           |
| <u>Agent Name:</u> Richardt Patentanwalt                                                                         |          |           |                 |                  |             |           |
| <u>Title:</u> HIGH EFFICIENCY EPITAXIAL CHEMICAL VAPOR DEPOSITION (CVD) REACTOR                                  |          |           |                 |                  |             |           |
| 024                                                                                                              | MY       | PCT       | PI2011004789    |                  |             | Pending   |
| Malaysia                                                                                                         |          |           |                 |                  |             |           |
| <u>Owner Name:</u> Solexel, Inc.                                                                                 |          |           |                 |                  |             |           |
| <u>Division Name:</u>                                                                                            |          |           |                 |                  |             |           |
| <u>Agent Name:</u> Pintas IP Group                                                                               |          |           |                 |                  |             |           |
| <u>Title:</u> HIGH EFFICIENCY EPITAXIAL CHEMICAL VAPOR DEPOSITION (CVD) REACTOR                                  |          |           |                 |                  |             |           |
| <u>Attorneys:</u> JW IP                                                                                          |          |           |                 |                  |             |           |
| <u>Client Reference:</u> SOL.211.05 WOEP                                                                         |          |           |                 |                  |             |           |
| <u>Agent Reference:</u> PT/A060/Hulsev/11                                                                        |          |           |                 |                  |             |           |

Patent LisvStatus (by Case Number)

TRADEMARK

REEL: 005909 FRAME: 0512

| Case Number                                                                                  | Sub Case | Case Type | Application No. | Publication No. | Patent No.  | Status    |
|----------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|-------------|-----------|
| 024                                                                                          | 0        | ORD       | 12/759,820      | 20100267245     | 8656860     | Granted   |
|                                                                                              |          |           | 14-Apr-2010     | 21-Oct-2010     | 25-Feb-2014 |           |
| United States of America                                                                     |          |           |                 |                 |             |           |
| Owner Name: Solexel, Inc.                                                                    |          |           |                 |                 |             |           |
| Division Name:                                                                               |          |           |                 |                 |             |           |
| Agent Name:                                                                                  |          |           |                 |                 |             |           |
| Title: HIGH EFFICIENCY EPITAXIAL CHEMICAL VAPOR DEPOSITION (CVD) REACTOR                     |          |           |                 |                 |             |           |
| 025                                                                                          | 0        | ORD       | 12/767,512      | 20100294356     |             | Published |
|                                                                                              |          |           | 26-Apr-2010     | 25-Nov-2010     |             |           |
| United States of America                                                                     |          |           |                 |                 |             |           |
| Owner Name: Solexel, Inc.                                                                    |          |           |                 |                 |             |           |
| Division Name:                                                                               |          |           |                 |                 |             |           |
| Agent Name:                                                                                  |          |           |                 |                 |             |           |
| Title: INTEGRATED 3-DIMENSIONAL AND PLANAR METALLIZATION STRUCTURE FOR THIN FILM SOLAR CELLS |          |           |                 |                 |             |           |
| 028                                                                                          | 0        | ORD       | 12/786,262      | 20110014742     | 8445314     | Granted   |
|                                                                                              |          |           | 24-May-2010     | 20-Jan-2011     | 21-May-2013 |           |
| United States of America                                                                     |          |           |                 |                 |             |           |
| Owner Name: Solexel, Inc.                                                                    |          |           |                 |                 |             |           |
| Division Name:                                                                               |          |           |                 |                 |             |           |
| Agent Name:                                                                                  |          |           |                 |                 |             |           |
| Title: METHOD OF CREATING REUSABLE TEMPLATE FOR DETACHABLE THIN FILM SUBSTRATE               |          |           |                 |                 |             |           |
| 028                                                                                          | 1        | ORD       | 13/897,323      | 20130241038     |             | Published |
|                                                                                              |          |           | 01-Jan-1900     | 19-Sep-2013     |             |           |
| United States of America                                                                     |          |           |                 |                 |             |           |
| Owner Name: Solexel, Inc.                                                                    |          |           |                 |                 |             |           |
| Division Name:                                                                               |          |           |                 |                 |             |           |
| Agent Name:                                                                                  |          |           |                 |                 |             |           |
| Title: METHOD OF CREATING REUSABLE TEMPLATE FOR DETACHABLE THIN FILM SUBSTRATE               |          |           |                 |                 |             |           |
| 029                                                                                          | CN       | PCT       | 201080030023.7  | 102460716       |             | Published |
|                                                                                              |          |           | 05-May-2010     | 16-May-2012     |             |           |
| China (People's Republic)                                                                    |          |           |                 |                 |             |           |
| Owner Name: Solexel, Inc.                                                                    |          |           |                 |                 |             |           |
| Division Name:                                                                               |          |           |                 |                 |             |           |
| Agent Name: Jiaquan IP Law Firm                                                              |          |           |                 |                 |             |           |
| Title: HIGH-PRODUCTIVITY POROUS SEMICONDUCTOR MANUFACTURING EQUIPMENT                        |          |           |                 |                 |             |           |
| 029                                                                                          | EP       | PCT       | 10772799.2      | 2427914         |             | Published |
|                                                                                              |          |           | 05-May-2010     | 14-Mar-2012     |             |           |
| European Patent Convention                                                                   |          |           |                 |                 |             |           |
| Owner Name: Solexel, Inc.                                                                    |          |           |                 |                 |             |           |
| Division Name:                                                                               |          |           |                 |                 |             |           |
| Agent Name: Richardt Patentanwälte                                                           |          |           |                 |                 |             |           |
| Title: HIGH-PRODUCTIVITY POROUS SEMICONDUCTOR MANUFACTURING EQUIPMENT                        |          |           |                 |                 |             |           |

Client Reference: JQIP11125US  
 Client Reference: SOL\_211\_08 WO EP

Patent LisvStatus (by Case Number)

TRADEMARK

REEL: 005909 FRAME: 0513

| Case Number                                                                                                | Sub Case | Case Type | Application No. | Publication No. | Patent No. | Status    |
|------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|------------|-----------|
| 029                                                                                                        | JP       | PCT       | 2012-509857     |                 |            | Pending   |
| Japan                                                                                                      |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                                             |          |           |                 |                 |            |           |
| Agent Name: Nakamura & Partners                                                                            |          |           |                 |                 |            |           |
| Title: HIGH-PRODUCTIVITY POROUS SEMICONDUCTOR MANUFACTURING EQUIPMENT                                      |          |           |                 |                 |            |           |
| 029                                                                                                        | MY       | PCT       | P12011005354    |                 |            | Pending   |
| Malaysia                                                                                                   |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                                             |          |           |                 |                 |            |           |
| Agent Name: Pintas IP Group                                                                                |          |           |                 |                 |            |           |
| Title: HIGH-PRODUCTIVITY POROUS SEMICONDUCTOR MANUFACTURING EQUIPMENT                                      |          |           |                 |                 |            |           |
| 029                                                                                                        | 0        | ORD       | 12/774,667      | 20110030610     |            | Allowed   |
| United States of America                                                                                   |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                                             |          |           |                 |                 |            |           |
| Agent Name:                                                                                                |          |           |                 |                 |            |           |
| Title: HIGH-PRODUCTIVITY POROUS SEMICONDUCTOR MANUFACTURING EQUIPMENT                                      |          |           |                 |                 |            |           |
| 030                                                                                                        | 0        | ORD       | 12/774,713      | 20100304522     | 8420435    | Granted   |
| United States of America                                                                                   |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                                             |          |           |                 |                 |            |           |
| Agent Name:                                                                                                |          |           |                 |                 |            |           |
| Title: Ion implantation fabrication process for thin-film crystalline silicon solar cells                  |          |           |                 |                 |            |           |
| 030                                                                                                        | 1        | ORD       | 13/688,062      | 20130330872     |            | Published |
| United States of America                                                                                   |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                                             |          |           |                 |                 |            |           |
| Agent Name:                                                                                                |          |           |                 |                 |            |           |
| Title: Ion implantation fabrication process for thin-film crystalline silicon solar cells                  |          |           |                 |                 |            |           |
| 032                                                                                                        | EP       | PCT       | 10/781392.5     | 2436028         |            | Published |
| European Patent Convention                                                                                 |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                                             |          |           |                 |                 |            |           |
| Agent Name: Richardt Patentanwälte                                                                         |          |           |                 |                 |            |           |
| Title: THREE-DIMENSIONAL THIN-FILM SEMICONDUCTOR SUBSTRATE WITH THROUGH-HOLES AND METHODS OF MANUFACTURING |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                                             |          |           |                 |                 |            |           |
| Agent Name: Richardt Patentanwälte                                                                         |          |           |                 |                 |            |           |
| Title: THREE-DIMENSIONAL THIN-FILM SEMICONDUCTOR SUBSTRATE WITH THROUGH-HOLES AND METHODS OF MANUFACTURING |          |           |                 |                 |            |           |

Patent LisvStatus (by Case Number)

| Case Number                                                                                                | Sub Case | Case Type | Application No. | Publication No. | Patent No. | Status    |
|------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|------------|-----------|
| 032                                                                                                        | MY       | PCT       | PI2011700177    |                 |            | Pending   |
| Malaysia                                                                                                   |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                                             |          |           |                 |                 |            |           |
| Agent Name: Pintas IP Group                                                                                |          |           |                 |                 |            |           |
| Title: THREE-DIMENSIONAL THIN-FILM SEMICONDUCTOR SUBSTRATE WITH THROUGH-HOLES AND METHODS OF MANUFACTURING |          |           |                 |                 |            |           |
| 032                                                                                                        | 0        | ORD       | 12/791,842      | 20100300518     | 8551866    | Granted   |
| United States of America                                                                                   |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                                             |          |           |                 |                 |            |           |
| Agent Name:                                                                                                |          |           |                 |                 |            |           |
| Title: THREE-DIMENSIONAL THIN-FILM SEMICONDUCTOR SUBSTRATE WITH THROUGH-HOLES AND METHODS OF MANUFACTURING |          |           |                 |                 |            |           |
| 032                                                                                                        | 1        | ORD       | 13/962,291      | 20130319520     |            | Allowed   |
| United States of America                                                                                   |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                                             |          |           |                 |                 |            |           |
| Agent Name:                                                                                                |          |           |                 |                 |            |           |
| Title: THREE-DIMENSIONAL THIN-FILM SEMICONDUCTOR SUBSTRATE WITH THROUGH-HOLES AND METHODS OF MANUFACTURING |          |           |                 |                 |            |           |
| 034                                                                                                        | EP1      | PCT       | 10756809.9      | 2412029         |            | Published |
| European Patent Convention                                                                                 |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                                             |          |           |                 |                 |            |           |
| Agent Name: Richardt Patentanwalt                                                                          |          |           |                 |                 |            |           |
| Title: Substrates for High-Efficiency Thin-Film Solar Cells Based on Crystalline Templates                 |          |           |                 |                 |            |           |
| 034                                                                                                        | MY1      | PCT       | PI2011004548    |                 |            | Pending   |
| Malaysia                                                                                                   |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                                             |          |           |                 |                 |            |           |
| Agent Name: Pintas IP Group                                                                                |          |           |                 |                 |            |           |
| Title: Substrates for High-Efficiency Thin-Film Solar Cells Based on Crystalline Templates                 |          |           |                 |                 |            |           |
| 034                                                                                                        | 0        | ORD       | 12/618,663      | 20100148319     |            | Published |
| United States of America                                                                                   |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                                             |          |           |                 |                 |            |           |
| Agent Name:                                                                                                |          |           |                 |                 |            |           |
| Title: Substrates for High-Efficiency Thin-Film Solar Cells Based on Crystalline Templates                 |          |           |                 |                 |            |           |

Wednesday, December 17, 2014

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| Case Number                                                                                                                                       | Sub Case | Case Type | Application No. | Publication No. | Patent No. | Status    |
|---------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|------------|-----------|
| 034                                                                                                                                               | 1        | ORD       | 12/731,058      | 20100267186     | 8288195    | Granted   |
| United States of America                                                                                                                          |          |           |                 |                 |            |           |
| <u>Owner Name:</u> Solexel, Inc.                                                                                                                  |          |           |                 |                 |            |           |
| <u>Division Name:</u>                                                                                                                             |          |           |                 |                 |            |           |
| <u>Agent Name:</u>                                                                                                                                |          |           |                 |                 |            |           |
| <u>Client Reference:</u>                                                                                                                          |          |           |                 |                 |            |           |
| <u>Attorneys:</u> JW IP                                                                                                                           |          |           |                 |                 |            |           |
| <u>Agent Reference:</u>                                                                                                                           |          |           |                 |                 |            |           |
| <u>Title:</u> Substrates for High-Efficiency Thin-Film Solar Cells Based on Crystalline Templates                                                 |          |           |                 |                 |            |           |
| 034                                                                                                                                               | 2        | ORD       | 13/652,237      | 20130288418     |            | Published |
| United States of America                                                                                                                          |          |           |                 |                 |            |           |
| <u>Owner Name:</u> Solexel, Inc.                                                                                                                  |          |           |                 |                 |            |           |
| <u>Division Name:</u>                                                                                                                             |          |           |                 |                 |            |           |
| <u>Agent Name:</u>                                                                                                                                |          |           |                 |                 |            |           |
| <u>Client Reference:</u>                                                                                                                          |          |           |                 |                 |            |           |
| <u>Attorneys:</u> JW IP                                                                                                                           |          |           |                 |                 |            |           |
| <u>Agent Reference:</u>                                                                                                                           |          |           |                 |                 |            |           |
| <u>Title:</u> Substrates for High-Efficiency Thin-Film Solar Cells Based on Crystalline Templates                                                 |          |           |                 |                 |            |           |
| 035                                                                                                                                               | 0        | ORD       | 12/618,668      | 20100175752     | 8294026    | Granted   |
| United States of America                                                                                                                          |          |           |                 |                 |            |           |
| <u>Owner Name:</u> Solexel, Inc.                                                                                                                  |          |           |                 |                 |            |           |
| <u>Division Name:</u>                                                                                                                             |          |           |                 |                 |            |           |
| <u>Agent Name:</u>                                                                                                                                |          |           |                 |                 |            |           |
| <u>Client Reference:</u>                                                                                                                          |          |           |                 |                 |            |           |
| <u>Attorneys:</u> JW IP                                                                                                                           |          |           |                 |                 |            |           |
| <u>Agent Reference:</u>                                                                                                                           |          |           |                 |                 |            |           |
| <u>Title:</u> High-efficiency thin-film solar cells                                                                                               |          |           |                 |                 |            |           |
| 035                                                                                                                                               | 1        | ORD       | 13/657,745      | 20130284255     |            | Published |
| United States of America                                                                                                                          |          |           |                 |                 |            |           |
| <u>Owner Name:</u> Solexel, Inc.                                                                                                                  |          |           |                 |                 |            |           |
| <u>Division Name:</u>                                                                                                                             |          |           |                 |                 |            |           |
| <u>Agent Name:</u>                                                                                                                                |          |           |                 |                 |            |           |
| <u>Client Reference:</u>                                                                                                                          |          |           |                 |                 |            |           |
| <u>Attorneys:</u> JW IP                                                                                                                           |          |           |                 |                 |            |           |
| <u>Agent Reference:</u>                                                                                                                           |          |           |                 |                 |            |           |
| <u>Title:</u> High-efficiency thin-film solar cells                                                                                               |          |           |                 |                 |            |           |
| 036                                                                                                                                               | CN0      | PCT       | 201080063494.8  | 102763226       |            | Published |
| China (People's Republic)                                                                                                                         |          |           |                 |                 |            |           |
| <u>Owner Name:</u> Solexel, Inc.                                                                                                                  |          |           |                 |                 |            |           |
| <u>Division Name:</u>                                                                                                                             |          |           |                 |                 |            |           |
| <u>Agent Name:</u>                                                                                                                                |          |           |                 |                 |            |           |
| <u>Client Reference:</u>                                                                                                                          |          |           |                 |                 |            |           |
| <u>Attorneys:</u> JW IP                                                                                                                           |          |           |                 |                 |            |           |
| <u>Agent Reference:</u>                                                                                                                           |          |           |                 |                 |            |           |
| <u>Title:</u> HIGH-EFFICIENCY thin-film solar cells                                                                                               |          |           |                 |                 |            |           |
| 036                                                                                                                                               | CN1      | PCT       | 201080063303.8  | 102763225       |            | Published |
| China (People's Republic)                                                                                                                         |          |           |                 |                 |            |           |
| <u>Owner Name:</u> Solexel, Inc.                                                                                                                  |          |           |                 |                 |            |           |
| <u>Division Name:</u>                                                                                                                             |          |           |                 |                 |            |           |
| <u>Agent Name:</u>                                                                                                                                |          |           |                 |                 |            |           |
| <u>Client Reference:</u>                                                                                                                          |          |           |                 |                 |            |           |
| <u>Attorneys:</u> JW IP                                                                                                                           |          |           |                 |                 |            |           |
| <u>Agent Reference:</u>                                                                                                                           |          |           |                 |                 |            |           |
| <u>Title:</u> HIGH-EFFICIENCY PHOTOVOLTAIC BACK-CONTACT SOLAR CELL STRUCTURES AND MANUFACTURING METHODS USING THIN PLANAR SEMICONDUCTOR ABSORBERS |          |           |                 |                 |            |           |
| <u>Owner Name:</u> Solexel, Inc.                                                                                                                  |          |           |                 |                 |            |           |
| <u>Division Name:</u>                                                                                                                             |          |           |                 |                 |            |           |
| <u>Agent Name:</u> Jiaquan IP Law Firm                                                                                                            |          |           |                 |                 |            |           |
| <u>Client Reference:</u>                                                                                                                          |          |           |                 |                 |            |           |
| <u>Attorneys:</u> JW IP                                                                                                                           |          |           |                 |                 |            |           |
| <u>Agent Reference:</u> JQIP121118US                                                                                                              |          |           |                 |                 |            |           |
| <u>Title:</u> HIGH-EFFICIENCY PHOTOVOLTAIC BACK-CONTACT SOLAR CELL STRUCTURES AND MANUFACTURING METHODS USING SEMICONDUCTOR WAFERS                |          |           |                 |                 |            |           |

TRADEMARK

REEL: 005909 FRAME: 0515

Patent LisuStatus (by Case Number)

| Case Number                                                                                                                                      | Sub Case | Case Type | Application No. | Publication No. | Patent No.   | Status    |
|--------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|--------------|-----------|
| 036                                                                                                                                              | CN2      | PCT       | 201080063496.7  | 102782889       | 201080063496 | Granted   |
| China (People's Republic)                                                                                                                        |          |           |                 |                 |              |           |
| Owner Name: Solexel, Inc.                                                                                                                        |          |           |                 |                 |              |           |
| Division Name:                                                                                                                                   |          |           |                 |                 |              |           |
| Agent Name: Jiaquan IP Law Firm                                                                                                                  |          |           |                 |                 |              |           |
| Title: HIGH-EFFICIENCY PHOTOVOLTAIC BACK-CONTACT SOLAR CELL STRUCTURES AND MANUFACTURING METHODS USING THREE-DIMENSIONAL SEMICONDUCTOR ABSORBERS |          |           |                 |                 |              |           |
| 036                                                                                                                                              | EP0      | PCT       | 108367/10.3     | 2510551         |              | Published |
| European Patent Convention                                                                                                                       |          |           |                 |                 |              |           |
| Owner Name: Solexel, Inc.                                                                                                                        |          |           |                 |                 |              |           |
| Division Name:                                                                                                                                   |          |           |                 |                 |              |           |
| Agent Name: Richardt Patentanwalt                                                                                                                |          |           |                 |                 |              |           |
| Title: HIGH-EFFICIENCY PHOTOVOLTAIC BACK-CONTACT SOLAR CELL STRUCTURES AND MANUFACTURING METHODS USING THIN PLANAR SEMICONDUCTOR ABSORBERS       |          |           |                 |                 |              |           |
| 036                                                                                                                                              | EP1      | PCT       | 108367/23.6     | 2510552         |              | Published |
| European Patent Convention                                                                                                                       |          |           |                 |                 |              |           |
| Owner Name: Solexel, Inc.                                                                                                                        |          |           |                 |                 |              |           |
| Division Name:                                                                                                                                   |          |           |                 |                 |              |           |
| Agent Name: Richardt Patentanwalt                                                                                                                |          |           |                 |                 |              |           |
| Title: HIGH-EFFICIENCY PHOTOVOLTAIC BACK-CONTACT SOLAR CELL STRUCTURES AND MANUFACTURING METHODS USING SEMICONDUCTOR WAFERS                      |          |           |                 |                 |              |           |
| 036                                                                                                                                              | EP2      | PCT       | 108367/03.8     | 2510550         |              | Published |
| European Patent Convention                                                                                                                       |          |           |                 |                 |              |           |
| Owner Name: Solexel, Inc.                                                                                                                        |          |           |                 |                 |              |           |
| Division Name:                                                                                                                                   |          |           |                 |                 |              |           |
| Agent Name: Richardt Patentanwalt                                                                                                                |          |           |                 |                 |              |           |
| Title: HIGH-EFFICIENCY PHOTOVOLTAIC BACK-CONTACT SOLAR CELL STRUCTURES AND MANUFACTURING METHODS USING THREE-DIMENSIONAL SEMICONDUCTOR ABSORBERS |          |           |                 |                 |              |           |
| 036                                                                                                                                              | MY0      | PCT       | P120112700546   |                 |              | Pending   |
| Malaysia                                                                                                                                         |          |           |                 |                 |              |           |
| Owner Name: Solexel, Inc.                                                                                                                        |          |           |                 |                 |              |           |
| Division Name:                                                                                                                                   |          |           |                 |                 |              |           |
| Agent Name: Pintas IP Group                                                                                                                      |          |           |                 |                 |              |           |
| Title: HIGH-EFFICIENCY PHOTOVOLTAIC BACK-CONTACT SOLAR CELL STRUCTURES AND MANUFACTURING METHODS USING THIN PLANAR SEMICONDUCTOR ABSORBERS       |          |           |                 |                 |              |           |
| 036                                                                                                                                              | MY1      | PCT       | P12012700547    |                 |              | Pending   |
| Malaysia                                                                                                                                         |          |           |                 |                 |              |           |
| Owner Name: Solexel, Inc.                                                                                                                        |          |           |                 |                 |              |           |
| Division Name:                                                                                                                                   |          |           |                 |                 |              |           |
| Agent Name: Pintas IP Group                                                                                                                      |          |           |                 |                 |              |           |
| Title: HIGH-EFFICIENCY PHOTOVOLTAIC BACK-CONTACT SOLAR CELL STRUCTURES AND MANUFACTURING METHODS USING SEMICONDUCTOR WAFERS                      |          |           |                 |                 |              |           |



Patent LisvStatus (by Case Number)

| Case Number                                                                                                                                      | Sub Case | Case Type | Application No. | Publication No. | Patent No. | Status    |
|--------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|------------|-----------|
| 036                                                                                                                                              | N0       | PCT       | 13/057,104      | 20120305063     |            | Allowed   |
| United States of America                                                                                                                         |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                                                        |          |           |                 |                 |            |           |
| Division Name:                                                                                                                                   |          |           |                 |                 |            |           |
| Agent Name:                                                                                                                                      |          |           |                 |                 |            |           |
| Attorneys: JW IP                                                                                                                                 |          |           |                 |                 |            |           |
| Client Reference:                                                                                                                                |          |           |                 |                 |            |           |
| Agent Reference:                                                                                                                                 |          |           |                 |                 |            |           |
| Title: HIGH-EFFICIENCY PHOTOVOLTAIC BACK-CONTACT SOLAR CELL STRUCTURES AND MANUFACTURING METHODS USING THIN PLANAR SEMICONDUCTOR ABSORBERS       |          |           |                 |                 |            |           |
| 036                                                                                                                                              | N1       | PCT       | 13/057,115      | 20130233378     |            | Published |
| United States of America                                                                                                                         |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                                                        |          |           |                 |                 |            |           |
| Division Name:                                                                                                                                   |          |           |                 |                 |            |           |
| Agent Name:                                                                                                                                      |          |           |                 |                 |            |           |
| Attorneys: JW IP                                                                                                                                 |          |           |                 |                 |            |           |
| Client Reference:                                                                                                                                |          |           |                 |                 |            |           |
| Agent Reference:                                                                                                                                 |          |           |                 |                 |            |           |
| Title: HIGH-EFFICIENCY PHOTOVOLTAIC BACK-CONTACT SOLAR CELL STRUCTURES AND MANUFACTURING METHODS USING SEMICONDUCTOR WAFERS                      |          |           |                 |                 |            |           |
| 036                                                                                                                                              | N2       | PCT       | 13/057,123      | 20130167915     |            | Published |
| United States of America                                                                                                                         |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                                                        |          |           |                 |                 |            |           |
| Division Name:                                                                                                                                   |          |           |                 |                 |            |           |
| Agent Name:                                                                                                                                      |          |           |                 |                 |            |           |
| Attorneys: JW IP                                                                                                                                 |          |           |                 |                 |            |           |
| Client Reference:                                                                                                                                |          |           |                 |                 |            |           |
| Agent Reference:                                                                                                                                 |          |           |                 |                 |            |           |
| Title: HIGH-EFFICIENCY PHOTOVOLTAIC BACK-CONTACT SOLAR CELL STRUCTURES AND MANUFACTURING METHODS USING THREE-DIMENSIONAL SEMICONDUCTOR ABSORBERS |          |           |                 |                 |            |           |
| 037                                                                                                                                              | CN       | PCT       | 201080063771.5  | 102754199       |            | Published |
| China (People's Republic)                                                                                                                        |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                                                        |          |           |                 |                 |            |           |
| Division Name:                                                                                                                                   |          |           |                 |                 |            |           |
| Agent Name: Jiaquan IP Law Firm                                                                                                                  |          |           |                 |                 |            |           |
| Client Reference:                                                                                                                                |          |           |                 |                 |            |           |
| Agent Reference: JQIP121099US                                                                                                                    |          |           |                 |                 |            |           |
| Title: MOBILE VACUUM CARRIERS FOR THIN WAFER PROCESSING                                                                                          |          |           |                 |                 |            |           |
| 037                                                                                                                                              | EP       | PCT       | 10842566.1      | 2513960         |            | Published |
| European Patent Convention                                                                                                                       |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                                                        |          |           |                 |                 |            |           |
| Division Name:                                                                                                                                   |          |           |                 |                 |            |           |
| Agent Name: Richardt Patentanwalte                                                                                                               |          |           |                 |                 |            |           |
| Client Reference:                                                                                                                                |          |           |                 |                 |            |           |
| Agent Reference: SOL.212.05 WO EP                                                                                                                |          |           |                 |                 |            |           |
| Title: MOBILE VACUUM CARRIERS FOR THIN WAFER PROCESSING                                                                                          |          |           |                 |                 |            |           |
| 037                                                                                                                                              | N0       | PCT       | 13/515,848      | 20130140838     |            | Published |
| United States of America                                                                                                                         |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                                                        |          |           |                 |                 |            |           |
| Division Name:                                                                                                                                   |          |           |                 |                 |            |           |
| Agent Name:                                                                                                                                      |          |           |                 |                 |            |           |
| Attorneys: JW IP                                                                                                                                 |          |           |                 |                 |            |           |
| Client Reference:                                                                                                                                |          |           |                 |                 |            |           |
| Agent Reference:                                                                                                                                 |          |           |                 |                 |            |           |
| Title: MOBILE VACUUM CARRIERS FOR THIN WAFER PROCESSING                                                                                          |          |           |                 |                 |            |           |

Patent LisvStatus (by Case Number)

TRADEMARK

REEL: 005909 FRAME: 0518

| Case Number                                                                                                                     | Sub Case | Case Type | Application No. | Publication No. | Patent No. | Status    |
|---------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|------------|-----------|
| 038                                                                                                                             | CN       | PCT       | 201080064953.4  | 102782827       | 102782827  | Granted   |
| China (People's Republic)                                                                                                       |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                                       |          |           |                 |                 |            |           |
| Division Name:                                                                                                                  |          |           |                 |                 |            |           |
| Agent Name: Jiaquan IP Law Firm                                                                                                 |          |           |                 |                 |            |           |
| Title: MOBILE ELECTROSTATIC CARRIERS FOR THIN WAFER PROCESSING                                                                  |          |           |                 |                 |            |           |
| 038                                                                                                                             | EP       | PCT       | 10841770.0      | 2519967         |            | Allowed   |
| European Patent Convention                                                                                                      |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                                       |          |           |                 |                 |            |           |
| Division Name:                                                                                                                  |          |           |                 |                 |            |           |
| Agent Name: Richardt Patentanwalt                                                                                               |          |           |                 |                 |            |           |
| Title: MOBILE ELECTROSTATIC CARRIERS FOR THIN WAFER PROCESSING                                                                  |          |           |                 |                 |            |           |
| 038                                                                                                                             | N0       | PCT       | 13/520.139      | 20130141833     |            | Published |
| United States of America                                                                                                        |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                                       |          |           |                 |                 |            |           |
| Division Name:                                                                                                                  |          |           |                 |                 |            |           |
| Agent Name:                                                                                                                     |          |           |                 |                 |            |           |
| Title: MOBILE ELECTROSTATIC CARRIERS FOR THIN WAFER PROCESSING                                                                  |          |           |                 |                 |            |           |
| 041                                                                                                                             | CN       | PCT       | 201180018589.2  | 102844883       |            | Published |
| China (People's Republic)                                                                                                       |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                                       |          |           |                 |                 |            |           |
| Division Name:                                                                                                                  |          |           |                 |                 |            |           |
| Agent Name: Jiaquan IP Law Firm                                                                                                 |          |           |                 |                 |            |           |
| Title: Double-sided reusable template for fabrication of semiconductor substrates for photovoltaic cell and microelectronics de |          |           |                 |                 |            |           |
| 041                                                                                                                             | EP       | PCT       | 11742933.2      | 2534700         |            | Published |
| European Patent Convention                                                                                                      |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                                       |          |           |                 |                 |            |           |
| Division Name:                                                                                                                  |          |           |                 |                 |            |           |
| Agent Name: Richardt Patentanwalt                                                                                               |          |           |                 |                 |            |           |
| Title: Double-sided reusable template for fabrication of semiconductor substrates for photovoltaic cell and microelectronics de |          |           |                 |                 |            |           |
| 041                                                                                                                             | 0        | ORD       | 13/026.239      | 20110256654     | 8241940    | Granted   |
| United States of America                                                                                                        |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                                       |          |           |                 |                 |            |           |
| Division Name:                                                                                                                  |          |           |                 |                 |            |           |
| Agent Name:                                                                                                                     |          |           |                 |                 |            |           |
| Title: Double-sided reusable template for fabrication of semiconductor substrates for photovoltaic cell and microelectronics de |          |           |                 |                 |            |           |

Patent LisvStatus (by Case Number)

TRADEMARK

REEL: 005909 FRAME: 0519

| Case Number                                                                                                                     | Sub Case | Case Type | Application No. | Publication No. | Patent No. | Patent Date | Status    |
|---------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|------------|-------------|-----------|
| 041                                                                                                                             | 1        | ORD       | 13/554,103      | 20130171808     |            | 04-Jul-2013 | Published |
| United States of America                                                                                                        |          |           |                 |                 |            |             |           |
| Owner Name: Solexel, Inc.                                                                                                       |          |           |                 |                 |            |             |           |
| Division Name:                                                                                                                  |          |           |                 |                 |            |             |           |
| Agent Name:                                                                                                                     |          |           |                 |                 |            |             |           |
| Title: Double-sided reusable template for fabrication of semiconductor substrates for photovoltaic cell and microelectronics de |          |           |                 |                 |            |             |           |
| 043                                                                                                                             |          | EP        | 11772838.6      | 2561558         |            |             | Published |
| European Patent Convention                                                                                                      |          |           |                 |                 |            |             |           |
| Owner Name: Solexel, Inc.                                                                                                       |          |           |                 |                 |            |             |           |
| Division Name:                                                                                                                  |          |           |                 |                 |            |             |           |
| Agent Name: Richardt Patentanwalt                                                                                               |          |           |                 |                 |            |             |           |
| Title: PASSIVATION METHODS AND APPARATUS FOR ACHIEVING ULTRALOW SURFACE RECOMBINATION VELOCITIES FOR HIGH-EFFICIENCY SOLAR CEL  |          |           |                 |                 |            |             |           |
| 043                                                                                                                             |          | D         | 10-2013-7012059 |                 |            |             | Pending   |
| Korea, Republic of                                                                                                              |          |           |                 |                 |            |             |           |
| Owner Name: Solexel, Inc.                                                                                                       |          |           |                 |                 |            |             |           |
| Division Name:                                                                                                                  |          |           |                 |                 |            |             |           |
| Agent Name: Hana Intellectual Property Law                                                                                      |          |           |                 |                 |            |             |           |
| Title: PASSIVATION METHODS AND APPARATUS FOR ACHIEVING ULTRALOW SURFACE RECOMBINATION VELOCITIES FOR HIGH-EFFICIENCY SOLAR CEL  |          |           |                 |                 |            |             |           |
| 043                                                                                                                             |          | KR        | 10-2012-7030770 |                 | 10-1381305 | 28-Mar-2014 | Granted   |
| Korea, Republic of                                                                                                              |          |           |                 |                 |            |             |           |
| Owner Name: Solexel, Inc.                                                                                                       |          |           |                 |                 |            |             |           |
| Division Name:                                                                                                                  |          |           |                 |                 |            |             |           |
| Agent Name: Hana Intellectual Property Law                                                                                      |          |           |                 |                 |            |             |           |
| Title: PASSIVATION METHODS AND APPARATUS FOR ACHIEVING ULTRALOW SURFACE RECOMBINATION VELOCITIES FOR HIGH-EFFICIENCY SOLAR CEL  |          |           |                 |                 |            |             |           |
| 043                                                                                                                             | 0        | ORD       | 13/092,942      | 20110284068     |            |             | Published |
| United States of America                                                                                                        |          |           |                 |                 |            |             |           |
| Owner Name: Solexel, Inc.                                                                                                       |          |           |                 |                 |            |             |           |
| Division Name:                                                                                                                  |          |           |                 |                 |            |             |           |
| Agent Name:                                                                                                                     |          |           |                 |                 |            |             |           |
| Title: PASSIVATION METHODS AND APPARATUS FOR ACHIEVING ULTRALOW SURFACE RECOMBINATION VELOCITIES FOR HIGH-EFFICIENCY SOLAR CEL  |          |           |                 |                 |            |             |           |
| 045                                                                                                                             | 2        | ORD       | 13173566.4      |                 |            |             | Pending   |
| European Patent Convention                                                                                                      |          |           |                 |                 |            |             |           |
| Owner Name: Solexel, Inc.                                                                                                       |          |           |                 |                 |            |             |           |
| Division Name:                                                                                                                  |          |           |                 |                 |            |             |           |
| Agent Name: Richardt Patentanwalt                                                                                               |          |           |                 |                 |            |             |           |
| Title: Laser processing for high-efficiency thin crystalline silicon solar cell fabrication                                     |          |           |                 |                 |            |             |           |

Patent LisvStatus (by Case Number)

| Case Number                                                                                 | Sub Case | Case Type | Application No. | Publication No.  | Patent No.  | Status    |
|---------------------------------------------------------------------------------------------|----------|-----------|-----------------|------------------|-------------|-----------|
| Country                                                                                     |          |           | Filing Date     | Publication Date | Patent Date |           |
| 045                                                                                         | EP       | PCT       | 11787543.5      | 2577750          |             | Published |
| European Patent Convention                                                                  |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                                                                   |          |           |                 |                  |             |           |
| Division Name:                                                                              |          |           |                 |                  |             |           |
| Agent Name: Richardt Patentanwalt                                                           |          |           |                 |                  |             |           |
| Title: Laser processing for high-efficiency thin crystalline silicon solar cell fabrication |          |           |                 |                  |             |           |
| 045                                                                                         | EP3      | PCT       | 11853473.4      | 2659518          |             | Published |
| European Patent Convention                                                                  |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                                                                   |          |           |                 |                  |             |           |
| Division Name:                                                                              |          |           |                 |                  |             |           |
| Agent Name: Richardt Patentanwalt                                                           |          |           |                 |                  |             |           |
| Title: Laser processing for high-efficiency thin crystalline silicon solar cell fabrication |          |           |                 |                  |             |           |
| 045                                                                                         | KR       | PCT       | 10-2012-7033876 |                  | 10-1289787  | Granted   |
| Korea, Republic of                                                                          |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                                                                   |          |           |                 |                  |             |           |
| Division Name:                                                                              |          |           |                 |                  |             |           |
| Agent Name: Hana Intellectual Property Law                                                  |          |           |                 |                  |             |           |
| Title: Laser processing for high-efficiency thin crystalline silicon solar cell fabrication |          |           |                 |                  |             |           |
| 045                                                                                         | KR3      | PCT       | 10-2013-7020198 |                  | 10-1384853  | Granted   |
| Korea, Republic of                                                                          |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                                                                   |          |           |                 |                  |             |           |
| Division Name:                                                                              |          |           |                 |                  |             |           |
| Agent Name: Muhann Patent & Law Firm                                                        |          |           |                 |                  |             |           |
| Title: Laser processing for high-efficiency thin crystalline silicon solar cell fabrication |          |           |                 |                  |             |           |
| 045                                                                                         | MY3      | PCT       | P12013701141    |                  |             | Pending   |
| Malaysia                                                                                    |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                                                                   |          |           |                 |                  |             |           |
| Division Name:                                                                              |          |           |                 |                  |             |           |
| Agent Name: Pintas IP Group                                                                 |          |           |                 |                  |             |           |
| Title: Laser processing for high-efficiency thin crystalline silicon solar cell fabrication |          |           |                 |                  |             |           |
| 045                                                                                         | 0        | ORD       | 13/118,295      | 20120028399      | 8399331     | Granted   |
| United States of America                                                                    |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                                                                   |          |           |                 |                  |             |           |
| Division Name:                                                                              |          |           |                 |                  |             |           |
| Agent Name:                                                                                 |          |           |                 |                  |             |           |
| Title: LASER PROCESSING FOR HIGH-EFFICIENCY THIN CRYSTALLINE SILICON SOLAR CELL FABRICATION |          |           |                 |                  |             |           |
| Attorneys: JW IP                                                                            |          |           |                 |                  |             |           |
| Client Reference:                                                                           |          |           |                 |                  |             |           |
| Agent Reference: PT/4677/Solexel/13                                                         |          |           |                 |                  |             |           |
| Attorneys: JW IP                                                                            |          |           |                 |                  |             |           |
| Client Reference:                                                                           |          |           |                 |                  |             |           |
| Agent Reference:                                                                            |          |           |                 |                  |             |           |

Patent LisvStatus (by Case Number)

TRADEMARK

REEL: 005909 FRAME: 0521

| Case Number                                                                                           | Sub Case | Case Type | Application No. | Publication No. | Patent No. | Patent Date | Status    |
|-------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|------------|-------------|-----------|
| 045                                                                                                   | 1        | ORD       | 13/271,212      | 20120122272     |            | 17-May-2012 | Published |
| United States of America                                                                              |          |           |                 |                 |            |             |           |
| Owner Name: Solexel, Inc.                                                                             |          |           |                 |                 |            |             |           |
| Division Name:                                                                                        |          |           |                 |                 |            |             |           |
| Agent Name:                                                                                           |          |           |                 |                 |            |             |           |
| Title: HIGH-THROUGHPUT FLAT TOP LASER BEAM PROCESSING FOR BACK CONTACT SOLAR CELLS                    |          |           |                 |                 |            |             |           |
| 045                                                                                                   | 2        | ORD       | 13/303,488      | 20130164883     |            | 27-Jun-2013 | Published |
| United States of America                                                                              |          |           |                 |                 |            |             |           |
| Owner Name: Solexel, Inc.                                                                             |          |           |                 |                 |            |             |           |
| Division Name:                                                                                        |          |           |                 |                 |            |             |           |
| Agent Name:                                                                                           |          |           |                 |                 |            |             |           |
| Title: LASER ANNEALING APPLICATIONS IN HIGH-EFFICIENCY SOLAR CELLS                                    |          |           |                 |                 |            |             |           |
| 045                                                                                                   | 3        | ORD       | 13/340,877      | 20120171804     | 8637340    | 28-Jan-2014 | Granted   |
| United States of America                                                                              |          |           |                 |                 |            |             |           |
| Owner Name: Solexel, Inc.                                                                             |          |           |                 |                 |            |             |           |
| Division Name:                                                                                        |          |           |                 |                 |            |             |           |
| Agent Name:                                                                                           |          |           |                 |                 |            |             |           |
| Title: PATTERNING OF SILICON OXIDE LAYERS USING PULSED LASER ABLATION                                 |          |           |                 |                 |            |             |           |
| 045                                                                                                   | 4        | ORD       | 13/340,887      | 20120225515     |            | 06-Sep-2012 | Published |
| United States of America                                                                              |          |           |                 |                 |            |             |           |
| Owner Name: Solexel, Inc.                                                                             |          |           |                 |                 |            |             |           |
| Division Name:                                                                                        |          |           |                 |                 |            |             |           |
| Agent Name:                                                                                           |          |           |                 |                 |            |             |           |
| Title: LASER DOPING TECHNIQUES FOR HIGH-EFFICIENCY CRYSTALLINE SEMICONDUCTOR SOLAR CELLS              |          |           |                 |                 |            |             |           |
| 045                                                                                                   | 5        | ORD       | 13/340,903      | 20120178203     |            | 12-Jul-2012 | Published |
| United States of America                                                                              |          |           |                 |                 |            |             |           |
| Owner Name: Solexel, Inc.                                                                             |          |           |                 |                 |            |             |           |
| Division Name:                                                                                        |          |           |                 |                 |            |             |           |
| Agent Name:                                                                                           |          |           |                 |                 |            |             |           |
| Title: LASER ANNEALING FOR ALUMINUM DOPING AND FORMATION OF BACK-SURFACE FIELD IN SOLAR CELL CONTACTS |          |           |                 |                 |            |             |           |
| 045                                                                                                   | 6        | ORD       | 13/846,230      | 20130217172     |            | 22-Aug-2013 | Published |
| United States of America                                                                              |          |           |                 |                 |            |             |           |
| Owner Name: Solexel, Inc.                                                                             |          |           |                 |                 |            |             |           |
| Division Name:                                                                                        |          |           |                 |                 |            |             |           |
| Agent Name:                                                                                           |          |           |                 |                 |            |             |           |
| Title: LASER PROCESSING FOR HIGH-EFFICIENCY THIN CRYSTALLINE SILICON SOLAR CELL FABRICATION           |          |           |                 |                 |            |             |           |

Attorneys: JW IP  
 Client Reference:  
 Agent Reference:

Patent List/Status (by Case Number)

| Case Number                                                                                                                                                                                                         | Country                    | Sub Case | Case Type | Application No. | Filing Date | Publication No. | Publication Date | Patent No. | Patent Date | Status    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------|-----------|-----------------|-------------|-----------------|------------------|------------|-------------|-----------|
| 045                                                                                                                                                                                                                 | United States of America   | 7        | ORD       | 14/137,172      | 20-Dec-2013 |                 |                  |            |             | Pending   |
| <u>Owner Name:</u> Solexel, Inc.<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u>                                                                                                  |                            |          |           |                 |             |                 |                  |            |             |           |
| 046                                                                                                                                                                                                                 | European Patent Convention | EP       | PCT       | 11793204.6      | 09-Jun-2011 | 2580775         |                  |            |             | Published |
| <u>Title:</u> PATTERNING OF SILICON OXIDE LAYERS USING PULSED LASER ABLATION<br><u>Owner Name:</u> Solexel, Inc.<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u> SOL_212_10 WO EP |                            |          |           |                 |             |                 |                  |            |             |           |
| 046                                                                                                                                                                                                                 | Korea, Republic of         | Div      | Div       | 10-2013-7009928 | 18-Apr-2013 |                 |                  |            |             | Pending   |
| <u>Title:</u> HIGH PRODUCTIVITY THIN FILM DEPOSITION METHOD AND SYSTEM<br><u>Owner Name:</u> Solexel, Inc.<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u> 2013fp30692us          |                            |          |           |                 |             |                 |                  |            |             |           |
| 046                                                                                                                                                                                                                 | Korea, Republic of         | KR       | PCT       | 10-2013-7000556 | 08-Jan-2013 |                 |                  | 10-1369282 | 25-Feb-2014 | Granted   |
| <u>Title:</u> HIGH PRODUCTIVITY THIN FILM DEPOSITION METHOD AND SYSTEM<br><u>Owner Name:</u> Solexel, Inc.<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u> 2012fp31271us          |                            |          |           |                 |             |                 |                  |            |             |           |
| 046                                                                                                                                                                                                                 | United States of America   | 0        | ORD       | 13/157,250      | 09-Jun-2011 | 20120085278     |                  |            |             | Published |
| <u>Title:</u> HIGH PRODUCTIVITY THIN FILM DEPOSITION METHOD AND SYSTEM<br><u>Owner Name:</u> Solexel, Inc.<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u>                        |                            |          |           |                 |             |                 |                  |            |             |           |
| 047                                                                                                                                                                                                                 | European Patent Convention | EP       | PCT       | 11871380.9      | 05-Aug-2011 | 2601687         |                  |            |             | Published |
| <u>Title:</u> HIGH PRODUCTIVITY THIN FILM DEPOSITION METHOD AND SYSTEM<br><u>Owner Name:</u> Solexel, Inc.<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u> SOL_213_01 WO EP       |                            |          |           |                 |             |                 |                  |            |             |           |

Patent LisuStatus (by Case Number)

| Case Number                                                                                                                                                                        | Country                  | Sub Case | Case Type | Application No. | Filing Date | Publication No. | Publication Date | Patent No. | Patent Date | Status    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------|-----------|-----------------|-------------|-----------------|------------------|------------|-------------|-----------|
| 047                                                                                                                                                                                |                          | EP1      | PCT       | 12765891.2      | 21-Oct-2013 | 2691990         |                  |            |             | Published |
| <p>Owner Name: Solexel, Inc.<br/>                     Attorneys: JW IP<br/>                     Client Reference:<br/>                     Agent Reference: SOL-213-07 WO EP</p>   |                          |          |           |                 |             |                 |                  |            |             |           |
| <p>Division Name: Richardt Patentanwälte<br/>                     Title: BACKPLANE REINFORCEMENT AND INTERCONNECTS FOR SOLAR CELLS</p>                                             |                          |          |           |                 |             |                 |                  |            |             |           |
| 047                                                                                                                                                                                | Korea, Republic of       | KR       | PCT       | 10-2013-7005704 | 05-Mar-2013 |                 |                  |            |             | Pending   |
| <p>Owner Name: Solexel, Inc.<br/>                     Attorneys: JW IP<br/>                     Client Reference:<br/>                     Agent Reference: 2013hp30258us</p>      |                          |          |           |                 |             |                 |                  |            |             |           |
| <p>Division Name: Hana Intellectual Property Law<br/>                     Title: BACKPLANE REINFORCEMENT AND INTERCONNECTS FOR SOLAR CELLS</p>                                     |                          |          |           |                 |             |                 |                  |            |             |           |
| 047                                                                                                                                                                                | Korea, Republic of       | KR1      | PCT       | 10-2013-7028432 | 28-Oct-2013 |                 |                  |            |             | Pending   |
| <p>Owner Name: Solexel, Inc.<br/>                     Attorneys: JW IP<br/>                     Client Reference:<br/>                     Agent Reference: APC-13-0302</p>        |                          |          |           |                 |             |                 |                  |            |             |           |
| <p>Division Name: Muhann Patent &amp; Law Firm<br/>                     Title: BACKPLANE REINFORCEMENT AND INTERCONNECTS FOR SOLAR CELLS</p>                                       |                          |          |           |                 |             |                 |                  |            |             |           |
| 047                                                                                                                                                                                | Malaysia                 | MY       | PCT       | P12013700332    | 01-Mar-2013 |                 |                  |            |             | Pending   |
| <p>Owner Name: Solexel, Inc.<br/>                     Attorneys: JW IP<br/>                     Client Reference:<br/>                     Agent Reference: PT/4525/Hulse/13</p>   |                          |          |           |                 |             |                 |                  |            |             |           |
| <p>Division Name: Pintas IP Group<br/>                     Title: BACKPLANE REINFORCEMENT AND INTERCONNECTS FOR SOLAR CELLS</p>                                                    |                          |          |           |                 |             |                 |                  |            |             |           |
| 047                                                                                                                                                                                | Malaysia                 | MY1      | PCT       | P12014700151    | 23-Jan-2014 |                 |                  |            |             | Pending   |
| <p>Owner Name: Solexel, Inc.<br/>                     Attorneys: JW IP<br/>                     Client Reference:<br/>                     Agent Reference: PT/4799/Solexel/13</p> |                          |          |           |                 |             |                 |                  |            |             |           |
| <p>Division Name: Pintas IP Group<br/>                     Title: BACKPLANE REINFORCEMENT AND INTERCONNECTS FOR SOLAR CELLS</p>                                                    |                          |          |           |                 |             |                 |                  |            |             |           |
| 047                                                                                                                                                                                | United States of America | 0        | ORD       | 13/204,626      | 05-Aug-2011 | 20120103408     | 03-May-2012      |            |             | Allowed   |
| <p>Owner Name: Solexel, Inc.<br/>                     Attorneys: JW IP<br/>                     Client Reference:<br/>                     Agent Reference:</p>                    |                          |          |           |                 |             |                 |                  |            |             |           |
| <p>Division Name: Solexel, Inc.<br/>                     Title: BACKPLANE REINFORCEMENT AND INTERCONNECTS FOR SOLAR CELLS</p>                                                      |                          |          |           |                 |             |                 |                  |            |             |           |

Patent LisuStatus (by Case Number)

TRADEMARK

REEL: 005909 FRAME: 0524

| Case Number                                                                                                | Sub Case | Case Type | Application No. | Publication No. | Patent No. | Status    |
|------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|------------|-----------|
| 047                                                                                                        | 1        | ORD       | 13433,280       | 20130000715     |            | Published |
| United States of America                                                                                   |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                                             |          |           |                 |                 |            |           |
| Agent Name:                                                                                                |          |           |                 |                 |            |           |
| Title: BACKPLANE REINFORCEMENT AND INTERCONNECTS FOR SOLAR CELLS                                           |          |           |                 |                 |            |           |
| Attorneys: JW IP                                                                                           |          |           |                 |                 |            |           |
| Client Reference:                                                                                          |          |           |                 |                 |            |           |
| Agent Reference:                                                                                           |          |           |                 |                 |            |           |
| Title: APPARATUS AND METHOD FOR REPEATEDLY FABRICATING THIN FILM SEMICONDUCTOR SUBSTRATES USING A TEMPLATE |          |           |                 |                 |            |           |
| 048                                                                                                        |          | ORD       | 13209,390       | 20120125256     |            | Published |
| United States of America                                                                                   |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                                             |          |           |                 |                 |            |           |
| Agent Name:                                                                                                |          |           |                 |                 |            |           |
| Title: APPARATUS AND METHOD FOR REPEATEDLY FABRICATING THIN FILM SEMICONDUCTOR SUBSTRATES USING A TEMPLATE |          |           |                 |                 |            |           |
| Attorneys: JW IP                                                                                           |          |           |                 |                 |            |           |
| Client Reference:                                                                                          |          |           |                 |                 |            |           |
| Agent Reference: 2013fp30269us                                                                             |          |           |                 |                 |            |           |
| Title: APPARATUS AND METHOD FOR REPEATEDLY FABRICATING THIN FILM SEMICONDUCTOR SUBSTRATES USING A TEMPLATE |          |           |                 |                 |            |           |
| 049                                                                                                        |          | PCT       | 11827704.5      | 2619790         |            | Published |
| European Patent Convention                                                                                 |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                                             |          |           |                 |                 |            |           |
| Agent Name: Richardt Patentanwalt                                                                          |          |           |                 |                 |            |           |
| Title: APPARATUS AND METHODS FOR UNIFORMLY FORMING POROUS SEMICONDUCTOR ON A SUBSTRATE                     |          |           |                 |                 |            |           |
| Attorneys: JW IP                                                                                           |          |           |                 |                 |            |           |
| Client Reference:                                                                                          |          |           |                 |                 |            |           |
| Agent Reference: SOL.213.02 WO EP                                                                          |          |           |                 |                 |            |           |
| Title: APPARATUS AND METHODS FOR UNIFORMLY FORMING POROUS SEMICONDUCTOR ON A SUBSTRATE                     |          |           |                 |                 |            |           |
| 049                                                                                                        |          | PCT       | 11876396.0      | 2652774         |            | Published |
| European Patent Convention                                                                                 |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                                             |          |           |                 |                 |            |           |
| Agent Name: Richardt Patentanwalt                                                                          |          |           |                 |                 |            |           |
| Title: APPARATUS AND METHODS FOR UNIFORMLY FORMING POROUS SEMICONDUCTOR ON A SUBSTRATE                     |          |           |                 |                 |            |           |
| Attorneys: JW IP                                                                                           |          |           |                 |                 |            |           |
| Client Reference:                                                                                          |          |           |                 |                 |            |           |
| Agent Reference: SOL.213.03 WO EP                                                                          |          |           |                 |                 |            |           |
| Title: APPARATUS AND METHODS FOR UNIFORMLY FORMING POROUS SEMICONDUCTOR ON A SUBSTRATE                     |          |           |                 |                 |            |           |
| 049                                                                                                        |          | PCT       | 10-2013-7010390 | 10-1347681      |            | Granted   |
| Korea, Republic of                                                                                         |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                                             |          |           |                 |                 |            |           |
| Agent Name: Hana Intellectual Property Law                                                                 |          |           |                 |                 |            |           |
| Title: APPARATUS AND METHODS FOR UNIFORMLY FORMING POROUS SEMICONDUCTOR ON A SUBSTRATE                     |          |           |                 |                 |            |           |
| Attorneys: JW IP                                                                                           |          |           |                 |                 |            |           |
| Client Reference:                                                                                          |          |           |                 |                 |            |           |
| Agent Reference: 2013fp30465us                                                                             |          |           |                 |                 |            |           |
| Title: APPARATUS AND METHODS FOR UNIFORMLY FORMING POROUS SEMICONDUCTOR ON A SUBSTRATE                     |          |           |                 |                 |            |           |



Patent LisvStatus (by Case Number)

| Case Number                                                                            | Sub Case | Case Type | Application No. | Publication No. | Patent No.  | Status    |
|----------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|-------------|-----------|
| 049                                                                                    | KR1      | PCT       | 10-2013-7014255 |                 |             | Pending   |
| Korea, Republic of                                                                     |          |           |                 |                 |             |           |
| Owner Name: Solexel, Inc.                                                              |          |           |                 |                 |             |           |
| Division Name:                                                                         |          |           |                 |                 |             |           |
| Agent Name: Hana Intellectual Property Law                                             |          |           |                 |                 |             |           |
| Title: APPARATUS AND METHODS FOR UNIFORMLY FORMING POROUS SEMICONDUCTOR ON A SUBSTRATE |          |           |                 |                 |             |           |
| 049                                                                                    | 0        | ORD       | 13/244,466      | 20130180847     |             | Allowed   |
| United States of America                                                               |          |           |                 |                 |             |           |
| Owner Name: Solexel, Inc.                                                              |          |           |                 |                 |             |           |
| Division Name:                                                                         |          |           |                 |                 |             |           |
| Agent Name:                                                                            |          |           |                 |                 |             |           |
| Title: APPARATUS AND METHODS FOR UNIFORMLY FORMING POROUS SEMICONDUCTOR ON A SUBSTRATE |          |           |                 |                 |             |           |
| 049                                                                                    | 1        | ORD       | 13/288,721      | 20120145553     | 8906218     | Granted   |
| United States of America                                                               |          |           |                 |                 |             |           |
| Owner Name: Solexel, Inc.                                                              |          |           |                 |                 |             |           |
| Division Name:                                                                         |          |           |                 |                 |             |           |
| Agent Name:                                                                            |          |           |                 |                 |             |           |
| Title: APPARATUS AND METHODS FOR UNIFORMLY FORMING POROUS SEMICONDUCTOR ON A SUBSTRATE |          |           |                 |                 |             |           |
| 049                                                                                    | 3        | ORD       | 14/563,888      |                 |             | Pending   |
| United States of America                                                               |          |           |                 |                 |             |           |
| Owner Name: Solexel, Inc.                                                              |          |           |                 |                 |             |           |
| Division Name:                                                                         |          |           |                 |                 |             |           |
| Agent Name:                                                                            |          |           |                 |                 |             |           |
| Title: APPARATUS AND METHODS FOR UNIFORMLY FORMING POROUS SEMICONDUCTOR ON A SUBSTRATE |          |           |                 |                 |             |           |
| 057                                                                                    | EP       | PCT       | 11856289.1      | 2659504         |             | Published |
| European Patent Convention                                                             |          |           |                 |                 |             |           |
| Owner Name: Solexel, Inc.                                                              |          |           |                 |                 |             |           |
| Division Name:                                                                         |          |           |                 |                 |             |           |
| Agent Name: Richardt Patentanwalt                                                      |          |           |                 |                 |             |           |
| Title: DEPOSITION SYSTEMS AND PROCESSES                                                |          |           |                 |                 |             |           |
| 057                                                                                    | KR       | PCT       | 10-2013-7020188 |                 | 10-1368598  | Granted   |
| Korea, Republic of                                                                     |          |           |                 |                 |             |           |
| Owner Name: Solexel, Inc.                                                              |          |           |                 |                 |             |           |
| Division Name:                                                                         |          |           |                 |                 |             |           |
| Agent Name: Muhann Patent & Law Firm                                                   |          |           |                 |                 |             |           |
| Title: DEPOSITION SYSTEMS AND PROCESSES                                                |          |           |                 |                 |             |           |
| 057                                                                                    |          |           | 30-Jul-2013     |                 | 21-Feb-2014 |           |
| Attorneys: JW IP                                                                       |          |           |                 |                 |             |           |
| Client Reference:                                                                      |          |           |                 |                 |             |           |
| Agent Reference: SOL.213.06 WO EP                                                      |          |           |                 |                 |             |           |
| Attorneys: JW IP                                                                       |          |           |                 |                 |             |           |
| Client Reference:                                                                      |          |           |                 |                 |             |           |
| Agent Reference: APC-13-0224                                                           |          |           |                 |                 |             |           |

Wednesday, December 17, 2014

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| Case Number                                               | Sub Case | Case Type | Application No. | Publication No. | Patent No. | Status    |
|-----------------------------------------------------------|----------|-----------|-----------------|-----------------|------------|-----------|
| 057                                                       | MY       | PCT       | PI2013701140    |                 |            | Pending   |
| Malaysia                                                  |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                 |          |           |                 |                 |            |           |
| Division Name:                                            |          |           |                 |                 |            |           |
| Agent Name: Pintas IP Group                               |          |           |                 |                 |            |           |
| Title: DEPOSITION SYSTEMS AND PROCESSES                   |          |           |                 |                 |            |           |
| 057                                                       | 0        | ORD       | 13/341,965      | 20120192789     |            | Published |
| United States of America                                  |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                 |          |           |                 |                 |            |           |
| Division Name:                                            |          |           |                 |                 |            |           |
| Agent Name: Freehills Patent Attorneys                    |          |           |                 |                 |            |           |
| Title: SELF-ACTIVATED FRONT SURFACE BIAS FOR A SOLAR CELL |          |           |                 |                 |            |           |
| -----                                                     |          |           |                 |                 |            |           |
| 058                                                       | KR       | PCT       | 10-2013-7020199 |                 | 10-1384872 | Granted   |
| Korea, Republic of                                        |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                 |          |           |                 |                 |            |           |
| Division Name:                                            |          |           |                 |                 |            |           |
| Agent Name: Muhann Patent & Law Firm                      |          |           |                 |                 |            |           |
| Title: METHOD FOR RECONSTRUCTING A SEMICONDUCTOR TEMPLATE |          |           |                 |                 |            |           |
| 058                                                       | MY       | PCT       | PI2013701139    |                 |            | Pending   |
| Malaysia                                                  |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                 |          |           |                 |                 |            |           |
| Division Name:                                            |          |           |                 |                 |            |           |
| Agent Name: Pintas IP Group                               |          |           |                 |                 |            |           |
| Title: METHOD FOR RECONSTRUCTING A SEMICONDUCTOR TEMPLATE |          |           |                 |                 |            |           |
| 058                                                       | 0        | ORD       | 13/341,976      | 20120167819     |            | Published |
| United States of America                                  |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                 |          |           |                 |                 |            |           |
| Division Name:                                            |          |           |                 |                 |            |           |
| Agent Name: Freehills Patent Attorneys                    |          |           |                 |                 |            |           |
| Title: METHOD FOR RECONSTRUCTING A SEMICONDUCTOR TEMPLATE |          |           |                 |                 |            |           |
| 060                                                       | AU       | PCT       | 2012258898      |                 |            | Pending   |
| Australia                                                 |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                 |          |           |                 |                 |            |           |
| Division Name:                                            |          |           |                 |                 |            |           |
| Agent Name: Freehills Patent Attorneys                    |          |           |                 |                 |            |           |
| Title: SELF-ACTIVATED FRONT SURFACE BIAS FOR A SOLAR CELL |          |           |                 |                 |            |           |

TRADEMARK

REEL: 005909 FRAME: 0526

Patent LisvStatus (by Case Number)

TRADEMARK

REEL: 005909 FRAME: 0527

| Case Number                                                                            | Sub Case | Case Type | Application No. | Publication No.  | Patent No.  | Status    |
|----------------------------------------------------------------------------------------|----------|-----------|-----------------|------------------|-------------|-----------|
| Country                                                                                |          |           | Filing Date     | Publication Date | Patent Date |           |
| 060                                                                                    | EP       | PCT       | 12790369.8      | 2710639          |             | Published |
| European Patent Convention                                                             |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                                                              |          |           |                 |                  |             |           |
| Division Name:                                                                         |          |           |                 |                  |             |           |
| Agent Name: Richardt Patentanwalt                                                      |          |           |                 |                  |             |           |
| Title: SELF-ACTIVATED FRONT SURFACE BIAS FOR A SOLAR CELL                              |          |           |                 |                  |             |           |
| 060                                                                                    | KR       | PCT       | 10-2013-7033627 |                  | 10-1449891  | Granted   |
| Korea, Republic of                                                                     |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                                                              |          |           |                 |                  |             |           |
| Division Name:                                                                         |          |           |                 |                  |             |           |
| Agent Name: Muhann Patent & Law Firm                                                   |          |           |                 |                  |             |           |
| Title: SELF-ACTIVATED FRONT SURFACE BIAS FOR A SOLAR CELL                              |          |           |                 |                  |             |           |
| 060                                                                                    | 0        | ORD       | 13/476,955      | 20130125950      |             | Published |
| United States of America                                                               |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                                                              |          |           |                 |                  |             |           |
| Division Name:                                                                         |          |           |                 |                  |             |           |
| Agent Name:                                                                            |          |           |                 |                  |             |           |
| Title: SELF-ACTIVATED FRONT SURFACE BIAS FOR A SOLAR CELL                              |          |           |                 |                  |             |           |
| 061                                                                                    | KR       | PCT       | 10-2013-7034083 |                  |             | Pending   |
| Korea, Republic of                                                                     |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                                                              |          |           |                 |                  |             |           |
| Division Name:                                                                         |          |           |                 |                  |             |           |
| Agent Name: Hana Intellectual Property Law                                             |          |           |                 |                  |             |           |
| Title: SPATIALLY SELECTIVE LASER ANNEALING APPLICATIONS IN HIGH-EFFICIENCY SOLAR CELLS |          |           |                 |                  |             |           |
| 061                                                                                    | 0        | ORD       | 13/477,008      | 20130130430      |             | Published |
| United States of America                                                               |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                                                              |          |           |                 |                  |             |           |
| Division Name:                                                                         |          |           |                 |                  |             |           |
| Agent Name:                                                                            |          |           |                 |                  |             |           |
| Title: SPATIALLY SELECTIVE LASER ANNEALING APPLICATIONS IN HIGH-EFFICIENCY SOLAR CELLS |          |           |                 |                  |             |           |
| 062                                                                                    | KR       | PCT       | 10-2013-7034593 |                  | 10-1389030  | Granted   |
| Korea, Republic of                                                                     |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                                                              |          |           |                 |                  |             |           |
| Division Name:                                                                         |          |           |                 |                  |             |           |
| Agent Name: Hana Intellectual Property Law                                             |          |           |                 |                  |             |           |
| Title: METHOD AND APPARATUS FOR RECONDITIONING A CARRIER WAFER FOR REUSE               |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                                                              |          |           |                 |                  |             |           |
| Division Name:                                                                         |          |           |                 |                  |             |           |
| Agent Name:                                                                            |          |           |                 |                  |             |           |
| Title: METHOD AND APPARATUS FOR RECONDITIONING A CARRIER WAFER FOR REUSE               |          |           |                 |                  |             |           |

Patent LisvStatus (by Case Number)

| Case Number                                                                                                                                                                                                                                                                                              | Sub Case | Case Type | Application No.                | Publication No.            | Patent No.                | Status    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|--------------------------------|----------------------------|---------------------------|-----------|
| 062                                                                                                                                                                                                                                                                                                      | MY       | PCT       | PI2013702563<br>26-Dec-2013    |                            |                           | Pending   |
| <p>Owner Name: Solexel, Inc.      Attorneys: JW      IP</p> <p>Division Name:      Client Reference:</p> <p>Agent Name: Pintas IP Group      Agent Reference: PT/4844/Solexel</p> <p>Title: METHOD AND APPARATUS FOR RECONDITIONING A CARRIER WAFER FOR REUSE</p>                                        |          |           |                                |                            |                           |           |
| 062                                                                                                                                                                                                                                                                                                      | 0        | ORD       | 13/482,963<br>29-May-2012      | 20130137244<br>30-May-2013 |                           | Published |
| <p>Owner Name: Solexel, Inc.      Attorneys: JW      IP</p> <p>Division Name:      Client Reference:</p> <p>Agent Name: Solexel, Inc.      Agent Reference:</p> <p>Title: METHOD AND APPARATUS FOR RECONDITIONING A CARRIER WAFER FOR REUSE</p>                                                          |          |           |                                |                            |                           |           |
| 063                                                                                                                                                                                                                                                                                                      | EP       | PCT       | 12/793962.7<br>12-Dec-2013     | 2715797                    |                           | Published |
| <p>Owner Name: Solexel, Inc.      Attorneys: JW      IP</p> <p>Division Name:      Client Reference:</p> <p>Agent Name: Richardt Patentanwälte      Agent Reference: SOL_213_09 WO EP</p> <p>Title: ION IMPLANTATION AND ANNEALING FOR HIGH EFFICIENCY BACK-CONTACT BACK-JUNCTION SOLAR CELLS</p>        |          |           |                                |                            |                           |           |
| 063                                                                                                                                                                                                                                                                                                      | KR       | PCT       | 10-2013-7034723<br>27-Dec-2013 |                            | 10-1396027<br>09-May-2014 | Granted   |
| <p>Owner Name: Solexel, Inc.      Attorneys: JW      IP</p> <p>Division Name:      Client Reference:</p> <p>Agent Name: Muhann Patent &amp; Law Firm      Agent Reference: APC-13-0354</p> <p>Title: ION IMPLANTATION AND ANNEALING FOR HIGH EFFICIENCY BACK-CONTACT BACK-JUNCTION SOLAR CELLS</p>       |          |           |                                |                            |                           |           |
| 063                                                                                                                                                                                                                                                                                                      | 0        | ORD       | 13/483,024<br>29-May-2012      | 20130171767<br>04-Jul-2013 |                           | Allowed   |
| <p>Owner Name: Solexel, Inc.      Attorneys: JW      IP</p> <p>Division Name:      Client Reference:</p> <p>Agent Name: Solexel, Inc.      Agent Reference:</p> <p>Title: ION IMPLANTATION AND ANNEALING FOR HIGH EFFICIENCY BACK-CONTACT BACK-JUNCTION SOLAR CELLS</p>                                  |          |           |                                |                            |                           |           |
| 068                                                                                                                                                                                                                                                                                                      | AU       | PCT       | 2012294932<br>11-Mar-2014      |                            |                           | Pending   |
| <p>Owner Name: Solexel, Inc.      Attorneys: JW      IP</p> <p>Division Name:      Client Reference:</p> <p>Agent Name: Freehills Patent Attorneys      Agent Reference: M50059653</p> <p>Title: HIGH-EFFICIENCY SOLAR PHOTOVOLTAIC CELLS AND MODULES USING THIN CRYSTALLINE SEMICONDUCTOR ABSORBERS</p> |          |           |                                |                            |                           |           |

Patent LisvStatus (by Case Number)

TRADEMARK

REEL: 005909 FRAME: 0529

| Case Number                                                                                                | Sub Case | Case Type | Application No. | Publication No.  | Patent No.  | Status    |
|------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|------------------|-------------|-----------|
| Country                                                                                                    |          |           | Filing Date     | Publication Date | Patent Date |           |
| 068                                                                                                        | CN       | PCT       | 201280049551.6  | 103918088        |             | Published |
| China (People's Republic)                                                                                  |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                  |             |           |
| Division Name:                                                                                             |          |           |                 |                  |             |           |
| Agent Name: Jiaquan IP Law Firm                                                                            |          |           |                 |                  |             |           |
| Title: HIGH-EFFICIENCY SOLAR PHOTOVOLTAIC CELLS AND MODULES USING THIN CRYSTALLINE SEMICONDUCTOR ABSORBERS |          |           |                 |                  |             |           |
| 068                                                                                                        | EP       | PCT       | 12822670.1      | 2742536          |             | Published |
| European Patent Convention                                                                                 |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                  |             |           |
| Division Name:                                                                                             |          |           |                 |                  |             |           |
| Agent Name: Richardt Patentanwalte                                                                         |          |           |                 |                  |             |           |
| Title: HIGH-EFFICIENCY SOLAR PHOTOVOLTAIC CELLS AND MODULES USING THIN CRYSTALLINE SEMICONDUCTOR ABSORBERS |          |           |                 |                  |             |           |
| 068                                                                                                        | JP       | PCT       | 2014525003      |                  |             | Pending   |
| Japan                                                                                                      |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                  |             |           |
| Division Name:                                                                                             |          |           |                 |                  |             |           |
| Agent Name: Nakamura & Partners                                                                            |          |           |                 |                  |             |           |
| Title: HIGH-EFFICIENCY SOLAR PHOTOVOLTAIC CELLS AND MODULES USING THIN CRYSTALLINE SEMICONDUCTOR ABSORBERS |          |           |                 |                  |             |           |
| 068                                                                                                        | KR       | PCT       | 10-2014-7006376 |                  |             | Pending   |
| Korea, Republic of                                                                                         |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                  |             |           |
| Division Name:                                                                                             |          |           |                 |                  |             |           |
| Agent Name: Muhann Patent & Law Firm                                                                       |          |           |                 |                  |             |           |
| Title: HIGH-EFFICIENCY SOLAR PHOTOVOLTAIC CELLS AND MODULES USING THIN CRYSTALLINE SEMICONDUCTOR ABSORBERS |          |           |                 |                  |             |           |
| 068                                                                                                        | MY       | PCT       | PI.2014700259   |                  |             | Pending   |
| Malaysia                                                                                                   |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                  |             |           |
| Division Name:                                                                                             |          |           |                 |                  |             |           |
| Agent Name: Pintas IP Group                                                                                |          |           |                 |                  |             |           |
| Title: HIGH-EFFICIENCY SOLAR PHOTOVOLTAIC CELLS AND MODULES USING THIN CRYSTALLINE SEMICONDUCTOR ABSORBERS |          |           |                 |                  |             |           |
| 068                                                                                                        | N        | PCT       | 13/807.631      |                  |             | Pending   |
| United States of America                                                                                   |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                                                                                  |          |           |                 |                  |             |           |
| Division Name:                                                                                             |          |           |                 |                  |             |           |
| Agent Name:                                                                                                |          |           |                 |                  |             |           |
| Title: HIGH-EFFICIENCY SOLAR PHOTOVOLTAIC CELLS AND MODULES USING THIN CRYSTALLINE SEMICONDUCTOR ABSORBERS |          |           |                 |                  |             |           |

Client Reference: APC-14-0133  
 Agent Reference: X1V-1259  
 Attorneys: JW IP  
 Client Reference: PT/4884/SOLEXEL/14  
 Agent Reference: X1V-1259  
 Attorneys: JW IP  
 Client Reference: JW IP  
 Agent Reference:

Wednesday, December 17, 2014

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| Case Number                                 | Sub Case | Case Type | Application No. | Publication No.  | Patent No.  | Status    |
|---------------------------------------------|----------|-----------|-----------------|------------------|-------------|-----------|
| Country                                     |          |           | Filing Date     | Publication Date | Patent Date |           |
| 069                                         | AU       | PCT       | 2012340098      |                  |             | Pending   |
| Australia                                   |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                   |          |           |                 |                  |             |           |
| Division Name:                              |          |           |                 |                  |             |           |
| Agent Name: Freehills Patent Attorneys      |          |           |                 |                  |             |           |
| Title: SMART PHOTOVOLTAIC CELLS AND MODULES |          |           |                 |                  |             |           |
| 069                                         | CN       | PCT       | 201280067268 6  | 104106143        |             | Published |
| China (People's Republic)                   |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                   |          |           |                 |                  |             |           |
| Division Name:                              |          |           |                 |                  |             |           |
| Agent Name: Jiaquan IP Law Firm             |          |           |                 |                  |             |           |
| Title: SMART PHOTOVOLTAIC CELLS AND MODULES |          |           |                 |                  |             |           |
| 069                                         | EP       | PCT       | 12850632 6      | 2780952          |             | Published |
| European Patent Convention                  |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                   |          |           |                 |                  |             |           |
| Division Name:                              |          |           |                 |                  |             |           |
| Agent Name: Richardt Patentanwälte          |          |           |                 |                  |             |           |
| Title: SMART PHOTOVOLTAIC CELLS AND MODULES |          |           |                 |                  |             |           |
| 069                                         | JP       | PCT       | 2014542579      |                  |             | Pending   |
| Japan                                       |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                   |          |           |                 |                  |             |           |
| Division Name:                              |          |           |                 |                  |             |           |
| Agent Name: Nakamura & Partners             |          |           |                 |                  |             |           |
| Title: SMART PHOTOVOLTAIC CELLS AND MODULES |          |           |                 |                  |             |           |
| 069                                         | KR       | PCT       | 10-2014-7016608 |                  |             | Pending   |
| Korea, Republic of                          |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                   |          |           |                 |                  |             |           |
| Division Name:                              |          |           |                 |                  |             |           |
| Agent Name: Muhann Patent & Law Firm        |          |           |                 |                  |             |           |
| Title: SMART PHOTOVOLTAIC CELLS AND MODULES |          |           |                 |                  |             |           |
| 069                                         | MY       | PCT       | PI 2014700259   |                  |             | Pending   |
| Malaysia                                    |          |           |                 |                  |             |           |
| Owner Name: Solexel, Inc.                   |          |           |                 |                  |             |           |
| Division Name:                              |          |           |                 |                  |             |           |
| Agent Name: Pintas IP Group                 |          |           |                 |                  |             |           |
| Title: SMART PHOTOVOLTAIC CELLS AND MODULES |          |           |                 |                  |             |           |
| Attorneys: JW IP                            |          |           |                 |                  |             |           |
| Client Reference: PT/5011/SOLEXEL/14        |          |           |                 |                  |             |           |
| Agent Reference: PT/5011/SOLEXEL/14         |          |           |                 |                  |             |           |

TRADEMARK

REEL: 005909 FRAME: 0530

Patent LisuStatus (by Case Number)

TRADEMARK

REEL: 005909 FRAME: 0531

| Case Number                                                                                                                                 | Sub Case | Case Type | Application No. | Publication No.  | Patent No.  | Status    |
|---------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|------------------|-------------|-----------|
| Country                                                                                                                                     |          |           | Filing Date     | Publication Date | Patent Date |           |
| 069                                                                                                                                         | 1        | ORD       | PCT/US14/34057  | WO2014169295     |             | Published |
| <u>Patent Cooperation Treaty</u><br><u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u>                         |          |           |                 |                  |             |           |
| <u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u>                                                              |          |           |                 |                  |             |           |
| 069                                                                                                                                         | 0        | ORD       | 13/682,674      | 20140060610      |             | Published |
| <u>United States of America</u><br><u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u>                          |          |           |                 |                  |             |           |
| <u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u>                                                              |          |           |                 |                  |             |           |
| <u>Title:</u> SMART PHOTOVOLTAIC CELLS AND MODULES                                                                                          |          |           |                 |                  |             |           |
| 069                                                                                                                                         | 1        | ORD       | 14/252,776      |                  |             | Pending   |
| <u>United States of America</u><br><u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u>                          |          |           |                 |                  |             |           |
| <u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u>                                                              |          |           |                 |                  |             |           |
| <u>Title:</u> SMART PHOTOVOLTAIC CELLS AND MODULES                                                                                          |          |           |                 |                  |             |           |
| 070                                                                                                                                         | AU       | PCT       | 2012358174      |                  |             | Pending   |
| <u>Australia</u><br><u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u> Freehills Patent Attorneys              |          |           |                 |                  |             |           |
| <u>Attorneys:</u> JW IP<br><u>Client Reference:</u> M50072138<br><u>Agent Reference:</u>                                                    |          |           |                 |                  |             |           |
| <u>Title:</u> HIGH PRODUCTIVITY SPRAY PROCESSING FOR SEMICONDUCTOR METALLIZATION AND INTERCONNECTS                                          |          |           |                 |                  |             |           |
| 070                                                                                                                                         | JP       | PCT       | XXXX            |                  |             | Pending   |
| <u>Japan</u><br><u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u> Nakamura & Partners                         |          |           |                 |                  |             |           |
| <u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u> XIV - 1230                                                   |          |           |                 |                  |             |           |
| <u>Title:</u> HIGH PRODUCTIVITY SPRAY PROCESSING FOR SEMICONDUCTOR METALLIZATION AND INTERCONNECTS                                          |          |           |                 |                  |             |           |
| 070                                                                                                                                         | KR       | PCT       | 10-2014-7020690 |                  |             | Pending   |
| <u>Korea, Republic of</u><br><u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u> Hana Intellectual Property Law |          |           |                 |                  |             |           |
| <u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u> 2014-FP-40655US                                              |          |           |                 |                  |             |           |
| <u>Title:</u> HIGH PRODUCTIVITY SPRAY PROCESSING FOR SEMICONDUCTOR METALLIZATION AND INTERCONNECTS                                          |          |           |                 |                  |             |           |

Patent LisuStatus (by Case Number)

| Case Number                                                                                 | Sub Case | Case Type | Application No. | Publication No. | Patent No. | Status    |
|---------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|------------|-----------|
| 070                                                                                         | 0        | ORD       | 13/726,169      | 20140033971     |            | Published |
| United States of America                                                                    |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                   |          |           |                 |                 |            |           |
| Division Name:                                                                              |          |           |                 |                 |            |           |
| Agent Name:                                                                                 |          |           |                 |                 |            |           |
| Title: HIGH PRODUCTIVITY SPRAY PROCESSING FOR SEMICONDUCTOR METALLIZATION AND INTERCONNECTS |          |           |                 |                 |            |           |
| 071                                                                                         | AU       | PCT       | 2012362505      |                 |            | Pending   |
| Australia                                                                                   |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                   |          |           |                 |                 |            |           |
| Division Name:                                                                              |          |           |                 |                 |            |           |
| Agent Name: Freehills Patent Attorneys                                                      |          |           |                 |                 |            |           |
| Title: SYSTEMS AND METHODS FOR ENHANCED LIGHT TRAPPING IN SOLAR CELLS                       |          |           |                 |                 |            |           |
| 071                                                                                         | JP       | PCT       | XXXX            |                 |            | Pending   |
| Japan                                                                                       |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                   |          |           |                 |                 |            |           |
| Division Name:                                                                              |          |           |                 |                 |            |           |
| Agent Name: Nakamura & Partners                                                             |          |           |                 |                 |            |           |
| Title: SYSTEMS AND METHODS FOR ENHANCED LIGHT TRAPPING IN SOLAR CELLS                       |          |           |                 |                 |            |           |
| 071                                                                                         | KR       | PCT       | 10-2014-7020992 |                 |            | Pending   |
| Korea, Republic of                                                                          |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                   |          |           |                 |                 |            |           |
| Division Name:                                                                              |          |           |                 |                 |            |           |
| Agent Name: Muhann Patent & Law Firm                                                        |          |           |                 |                 |            |           |
| Title: SYSTEMS AND METHODS FOR ENHANCED LIGHT TRAPPING IN SOLAR CELLS                       |          |           |                 |                 |            |           |
| 071                                                                                         | 0        | ORD       | 13/727,393      | 20140017846     |            | Published |
| United States of America                                                                    |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                   |          |           |                 |                 |            |           |
| Division Name:                                                                              |          |           |                 |                 |            |           |
| Agent Name:                                                                                 |          |           |                 |                 |            |           |
| Title: SYSTEMS AND METHODS FOR ENHANCED LIGHT TRAPPING IN SOLAR CELLS                       |          |           |                 |                 |            |           |
| 072                                                                                         | AU       | PCT       | 2014208227      |                 |            | Pending   |
| Australia                                                                                   |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                   |          |           |                 |                 |            |           |
| Division Name:                                                                              |          |           |                 |                 |            |           |
| Agent Name: Freehills Patent Attorneys                                                      |          |           |                 |                 |            |           |
| Title: MULTI-LEVEL SOLAR CELL METALLIZATION                                                 |          |           |                 |                 |            |           |

Attorneys: JW IP  
Client Reference:  
Agent Reference: M50072250

Attorneys: JW IP  
Client Reference:  
Agent Reference: M50072250



Patent LisvStatus (by Case Number)

| Case Number                                                              | Sub Case | Case Type | Application No. | Publication No. | Patent No. | Status    |
|--------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|------------|-----------|
| 072                                                                      | JP       | PCT       | XXXX            |                 |            | Pending   |
| Japan                                                                    |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                |          |           |                 |                 |            |           |
| Division Name:                                                           |          |           |                 |                 |            |           |
| Agent Name: Nakamura & Partners                                          |          |           |                 |                 |            |           |
| Title: MULTI-LEVEL SOLAR CELL METALLIZATION                              |          |           |                 |                 |            |           |
| 072                                                                      | 0        | ORD       | 13/731,112      | 20140318611     |            | Published |
| United States of America                                                 |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                |          |           |                 |                 |            |           |
| Division Name:                                                           |          |           |                 |                 |            |           |
| Agent Name: Solexel, Inc.                                                |          |           |                 |                 |            |           |
| Title: MULTI-LEVEL SOLAR CELL METALLIZATION                              |          |           |                 |                 |            |           |
| 073                                                                      | AU       | PCT       | 2013222069      |                 |            | Pending   |
| Australia                                                                |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                |          |           |                 |                 |            |           |
| Division Name:                                                           |          |           |                 |                 |            |           |
| Agent Name: Freehills Patent Attorneys                                   |          |           |                 |                 |            |           |
| Title: SYSTEMS AND METHODS FOR LASER SPLITTING AND DEVICE LAYER TRANSFER |          |           |                 |                 |            |           |
| 073                                                                      | EP       | PCT       | 13752284.3      |                 |            | Pending   |
| European Patent Convention                                               |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                |          |           |                 |                 |            |           |
| Division Name:                                                           |          |           |                 |                 |            |           |
| Agent Name: Richardt Patentanwalt                                        |          |           |                 |                 |            |           |
| Title: SYSTEMS AND METHODS FOR LASER SPLITTING AND DEVICE LAYER TRANSFER |          |           |                 |                 |            |           |
| 073                                                                      | JP       | PCT       | XXXX            |                 |            | Pending   |
| Japan                                                                    |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                |          |           |                 |                 |            |           |
| Division Name:                                                           |          |           |                 |                 |            |           |
| Agent Name: Nakamura & Partners                                          |          |           |                 |                 |            |           |
| Title: SYSTEMS AND METHODS FOR LASER SPLITTING AND DEVICE LAYER TRANSFER |          |           |                 |                 |            |           |
| 073                                                                      | KR       | PCT       | 10-2014-7027309 |                 |            | Pending   |
| Korea, Republic of                                                       |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                |          |           |                 |                 |            |           |
| Division Name:                                                           |          |           |                 |                 |            |           |
| Agent Name: Muhann Patent & Law Firm                                     |          |           |                 |                 |            |           |
| Title: SYSTEMS AND METHODS FOR LASER SPLITTING AND DEVICE LAYER TRANSFER |          |           |                 |                 |            |           |
| 073                                                                      |          |           |                 |                 |            |           |
| Attorneys: JW IP                                                         |          |           |                 |                 |            |           |
| Client Reference:                                                        |          |           |                 |                 |            |           |
| Agent Reference: X1V - 1684                                              |          |           |                 |                 |            |           |
| Attorneys: JW IP                                                         |          |           |                 |                 |            |           |
| Client Reference:                                                        |          |           |                 |                 |            |           |
| Agent Reference: APC-14-0252                                             |          |           |                 |                 |            |           |

Patent LisvStatus (by Case Number)

TRADEMARK

REEL: 005909 FRAME: 0534

| Case Number                                                                          | Sub Case | Case Type | Application No. | Publication No. | Patent No. | Status    |
|--------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|------------|-----------|
| 073                                                                                  | 0        | ORD       | 13/778,047      | 20140038392     |            | Published |
| United States of America                                                             |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc. Attorneys: JW IP                                           |          |           |                 |                 |            |           |
| Division Name: Client Reference:                                                     |          |           |                 |                 |            |           |
| Agent Name: Agent Reference:                                                         |          |           |                 |                 |            |           |
| Title: SYSTEMS AND METHODS FOR LASER SPLITTING AND DEVICE LAYER TRANSFER             |          |           |                 |                 |            |           |
| 075                                                                                  | AU       | PCT       | 2013225860      |                 |            | Pending   |
| Australia                                                                            |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc. Attorneys: JW IP                                           |          |           |                 |                 |            |           |
| Division Name: Client Reference:                                                     |          |           |                 |                 |            |           |
| Agent Name: Freehills Patent Attorneys Agent Reference: M50077409                    |          |           |                 |                 |            |           |
| Title: STRUCTURES AND METHODS FOR HIGH EFFICIENCY COMPOUND SEMICONDUCTOR SOLAR CELLS |          |           |                 |                 |            |           |
| 075                                                                                  | JP       | PCT       | XXXX            |                 |            | Pending   |
| Japan                                                                                |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc. Attorneys: JW IP                                           |          |           |                 |                 |            |           |
| Division Name: Client Reference:                                                     |          |           |                 |                 |            |           |
| Agent Name: Nakamura & Partners Agent Reference: X1V - 1685                          |          |           |                 |                 |            |           |
| Title: STRUCTURES AND METHODS FOR HIGH EFFICIENCY COMPOUND SEMICONDUCTOR SOLAR CELLS |          |           |                 |                 |            |           |
| 075                                                                                  | KR       | PCT       | 10-2014-7027472 |                 |            | Pending   |
| Korea, Republic of                                                                   |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc. Attorneys: JW IP                                           |          |           |                 |                 |            |           |
| Division Name: Client Reference:                                                     |          |           |                 |                 |            |           |
| Agent Name: Muhann Patent & Law Firm Agent Reference: APC-14-0253                    |          |           |                 |                 |            |           |
| Title: STRUCTURES AND METHODS FOR HIGH EFFICIENCY COMPOUND SEMICONDUCTOR SOLAR CELLS |          |           |                 |                 |            |           |
| 075                                                                                  | 0        | ORD       | 13/781,708      | 20130337601     |            | Published |
| United States of America                                                             |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc. Attorneys: JW IP                                           |          |           |                 |                 |            |           |
| Division Name: Client Reference:                                                     |          |           |                 |                 |            |           |
| Agent Name: Agent Reference:                                                         |          |           |                 |                 |            |           |
| Title: STRUCTURES AND METHODS FOR HIGH EFFICIENCY COMPOUND SEMICONDUCTOR SOLAR CELLS |          |           |                 |                 |            |           |
| 077                                                                                  | AU       | PCT       | 2013237911      |                 |            | Pending   |
| Australia                                                                            |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc. Attorneys: JW IP                                           |          |           |                 |                 |            |           |
| Division Name: Client Reference:                                                     |          |           |                 |                 |            |           |
| Agent Name: Freehills Patent Attorneys Agent Reference: M50079093                    |          |           |                 |                 |            |           |
| Title: BACK CONTACT SOLAR CELLS USING ALUMINUM-BASED ALLOY METALLIZATION             |          |           |                 |                 |            |           |

Patent LisvStatus (by Case Number)

TRADEMARK

REEL: 005909 FRAME: 0535

| Case Number                                                                      | Sub Case | Case Type | Application No. | Publication No. | Patent No. | Status    |
|----------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|------------|-----------|
| 077                                                                              | KR       | PCT       | 10-2014-7030233 |                 |            | Pending   |
| Korea, Republic of                                                               |          |           |                 |                 |            |           |
| <u>Owner Name:</u> Solexel, Inc.                                                 |          |           |                 |                 |            |           |
| <u>Division Name:</u>                                                            |          |           |                 |                 |            |           |
| <u>Agent Name:</u> Muhann Patent & Law Firm                                      |          |           |                 |                 |            |           |
| <u>Title:</u> BACK CONTACT SOLAR CELLS USING ALUMINUM-BASED ALLOY METALLIZATION  |          |           |                 |                 |            |           |
| 077                                                                              | 0        | ORD       | 13/853,031      |                 |            | Pending   |
| United States of America                                                         |          |           |                 |                 |            |           |
| <u>Owner Name:</u> Solexel, Inc.                                                 |          |           |                 |                 |            |           |
| <u>Division Name:</u>                                                            |          |           |                 |                 |            |           |
| <u>Agent Name:</u>                                                               |          |           |                 |                 |            |           |
| <u>Title:</u> BACK CONTACT SOLAR CELLS USING ALUMINUM-BASED ALLOY METALLIZATION  |          |           |                 |                 |            |           |
| 078                                                                              | AU       | PCT       | 2013237992      |                 |            | Pending   |
| Australia                                                                        |          |           |                 |                 |            |           |
| <u>Owner Name:</u> Solexel, Inc.                                                 |          |           |                 |                 |            |           |
| <u>Division Name:</u>                                                            |          |           |                 |                 |            |           |
| <u>Agent Name:</u> Freehills Patent Attorneys                                    |          |           |                 |                 |            |           |
| <u>Title:</u> END POINT DETECTION FOR BACK CONTACT SOLAR CELL LASER VIA DRILLING |          |           |                 |                 |            |           |
| 078                                                                              | 0        | ORD       | 13/852,966      | 20130288425     |            | Published |
| United States of America                                                         |          |           |                 |                 |            |           |
| <u>Owner Name:</u> Solexel, Inc.                                                 |          |           |                 |                 |            |           |
| <u>Division Name:</u>                                                            |          |           |                 |                 |            |           |
| <u>Agent Name:</u>                                                               |          |           |                 |                 |            |           |
| <u>Title:</u> END POINT DETECTION FOR BACK CONTACT SOLAR CELL LASER VIA DRILLING |          |           |                 |                 |            |           |
| 079                                                                              | AU       | PCT       | 2013289151      |                 |            | Pending   |
| Australia                                                                        |          |           |                 |                 |            |           |
| <u>Owner Name:</u> Solexel, Inc.                                                 |          |           |                 |                 |            |           |
| <u>Division Name:</u>                                                            |          |           |                 |                 |            |           |
| <u>Agent Name:</u> Freehills Patent Attorneys                                    |          |           |                 |                 |            |           |
| <u>Title:</u> HIGH EFFICIENCY SOLAR CELL STRUCTURES AND MANUFACTURING METHODS    |          |           |                 |                 |            |           |
| 079                                                                              | JP       | PCT       | XXXX            |                 |            | Pending   |
| Japan                                                                            |          |           |                 |                 |            |           |
| <u>Owner Name:</u> Solexel, Inc.                                                 |          |           |                 |                 |            |           |
| <u>Division Name:</u>                                                            |          |           |                 |                 |            |           |
| <u>Agent Name:</u> Nakamura & Partners                                           |          |           |                 |                 |            |           |
| <u>Title:</u> HIGH EFFICIENCY SOLAR CELL STRUCTURES AND MANUFACTURING METHODS    |          |           |                 |                 |            |           |

Patent LisvStatus (by Case Number)

| Case Number                                                                                                      | Sub Case | Case Type | Application No. | Publication No. | Patent No. | Status    |
|------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|------------|-----------|
| 079                                                                                                              | 0        | ORD       | 13,855,657      | 20130213469     |            | Published |
| United States of America                                                                                         |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                        |          |           |                 |                 |            |           |
| Division Name:                                                                                                   |          |           |                 |                 |            |           |
| Agent Name:                                                                                                      |          |           |                 |                 |            |           |
| Title: HIGH EFFICIENCY SOLAR CELL STRUCTURES AND MANUFACTURING METHODS                                           |          |           |                 |                 |            |           |
| 080                                                                                                              | 0        | ORD       | 13,866,990      | 20140146854     |            | Published |
| United States of America                                                                                         |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                        |          |           |                 |                 |            |           |
| Division Name:                                                                                                   |          |           |                 |                 |            |           |
| Agent Name:                                                                                                      |          |           |                 |                 |            |           |
| Title: TEMPERATURE CALIBRATION AND CONTROL FOR SEMICONDUCTOR REACTORS                                            |          |           |                 |                 |            |           |
| 081                                                                                                              | JP       | PCT       | XXXX            |                 |            | Pending   |
| Japan                                                                                                            |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                        |          |           |                 |                 |            |           |
| Division Name:                                                                                                   |          |           |                 |                 |            |           |
| Agent Name: Nakamura & Partners                                                                                  |          |           |                 |                 |            |           |
| Title: RESISTANCE COMPONENT EXTRACTION FOR BACK CONTACT BACK JUNCTION SOLAR CELLS                                |          |           |                 |                 |            |           |
| 081                                                                                                              | 0        | ORD       | 13,868,987      | 20140147944     | 8828784    | Granted   |
| United States of America                                                                                         |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                        |          |           |                 |                 |            |           |
| Division Name:                                                                                                   |          |           |                 |                 |            |           |
| Agent Name:                                                                                                      |          |           |                 |                 |            |           |
| Title: RESISTANCE COMPONENT EXTRACTION FOR BACK CONTACT BACK JUNCTION SOLAR CELLS                                |          |           |                 |                 |            |           |
| 081                                                                                                              | 1        | ORD       | 14,479,540      |                 |            | Pending   |
| United States of America                                                                                         |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                        |          |           |                 |                 |            |           |
| Division Name:                                                                                                   |          |           |                 |                 |            |           |
| Agent Name:                                                                                                      |          |           |                 |                 |            |           |
| Title: RESISTANCE COMPONENT EXTRACTION FOR BACK CONTACT BACK JUNCTION SOLAR CELLS                                |          |           |                 |                 |            |           |
| 082                                                                                                              | AU       | PCT       | 2013272248      |                 |            | Pending   |
| Australia                                                                                                        |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                        |          |           |                 |                 |            |           |
| Division Name:                                                                                                   |          |           |                 |                 |            |           |
| Agent Name: Freehills Patent Attorneys                                                                           |          |           |                 |                 |            |           |
| Title: MANUFACTURING METHODS AND STRUCTURES FOR LARGE-AREA THIN-FILM SOLAR CELLS AND OTHER SEMICONDUCTOR DEVICES |          |           |                 |                 |            |           |

Patent LisvStatus (by Case Number)

| Case Number                                                                                                      | Sub Case | Case Type | Application No. | Publication No. | Patent No. | Status    |
|------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|------------|-----------|
| 082                                                                                                              | 0        | ORD       | 13,869,928      | 20130228221     |            | Published |
| United States of America                                                                                         |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                        |          |           |                 |                 |            |           |
| Division Name:                                                                                                   |          |           |                 |                 |            |           |
| Agent Name:                                                                                                      |          |           |                 |                 |            |           |
| Title: MANUFACTURING METHODS AND STRUCTURES FOR LARGE-AREA THIN-FILM SOLAR CELLS AND OTHER SEMICONDUCTOR DEVICES |          |           |                 |                 |            |           |
| 084                                                                                                              | JP       | PCT       | XXXX            |                 |            | Pending   |
| Japan                                                                                                            |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                        |          |           |                 |                 |            |           |
| Division Name:                                                                                                   |          |           |                 |                 |            |           |
| Agent Name:                                                                                                      |          |           |                 |                 |            |           |

|                                                                                                                                       |   |     |                |              |  |           |
|---------------------------------------------------------------------------------------------------------------------------------------|---|-----|----------------|--------------|--|-----------|
| 084                                                                                                                                   | 0 | ORD | PCT/US13/43193 | WO2013181298 |  | Published |
| United States of America                                                                                                              |   |     |                |              |  |           |
| Owner Name: Solexel, Inc.                                                                                                             |   |     |                |              |  |           |
| Division Name:                                                                                                                        |   |     |                |              |  |           |
| Agent Name:                                                                                                                           |   |     |                |              |  |           |
| Title: STRUCTURES AND METHODS OF FORMATION OF CONTIGUOUS AND NON-CONTIGUOUS BASE REGIONS FOR HIGH EFFICIENCY BACK-CONTACT SOLAR CELLS |   |     |                |              |  |           |
| Attorneys:                                                                                                                            |   |     |                |              |  |           |
| Client Reference: X1V-2350                                                                                                            |   |     |                |              |  |           |
| Agent Reference:                                                                                                                      |   |     |                |              |  |           |

|                                                                                                                                       |   |     |            |              |  |           |
|---------------------------------------------------------------------------------------------------------------------------------------|---|-----|------------|--------------|--|-----------|
| 084                                                                                                                                   | 0 | ORD | 13,905,113 | 2014/0158193 |  | Published |
| United States of America                                                                                                              |   |     |            |              |  |           |
| Owner Name: Solexel, Inc.                                                                                                             |   |     |            |              |  |           |
| Division Name:                                                                                                                        |   |     |            |              |  |           |
| Agent Name:                                                                                                                           |   |     |            |              |  |           |
| Title: STRUCTURES AND METHODS OF FORMATION OF CONTIGUOUS AND NON-CONTIGUOUS BASE REGIONS FOR HIGH EFFICIENCY BACK-CONTACT SOLAR CELLS |   |     |            |              |  |           |
| Attorneys:                                                                                                                            |   |     |            |              |  |           |
| Client Reference:                                                                                                                     |   |     |            |              |  |           |
| Agent Reference:                                                                                                                      |   |     |            |              |  |           |

|                                                                                                                                       |   |     |                |              |  |           |
|---------------------------------------------------------------------------------------------------------------------------------------|---|-----|----------------|--------------|--|-----------|
| 087                                                                                                                                   | 0 | ORD | PCT/US13/65316 | WO2014062850 |  | Published |
| United States of America                                                                                                              |   |     |                |              |  |           |
| Owner Name: Solexel, Inc.                                                                                                             |   |     |                |              |  |           |
| Division Name:                                                                                                                        |   |     |                |              |  |           |
| Agent Name:                                                                                                                           |   |     |                |              |  |           |
| Title: STRUCTURES AND METHODS OF FORMATION OF CONTIGUOUS AND NON-CONTIGUOUS BASE REGIONS FOR HIGH EFFICIENCY BACK-CONTACT SOLAR CELLS |   |     |                |              |  |           |
| Attorneys:                                                                                                                            |   |     |                |              |  |           |
| Client Reference:                                                                                                                     |   |     |                |              |  |           |
| Agent Reference:                                                                                                                      |   |     |                |              |  |           |

|                                                                                                                                          |   |     |            |              |  |           |
|------------------------------------------------------------------------------------------------------------------------------------------|---|-----|------------|--------------|--|-----------|
| 087                                                                                                                                      | 0 | ORD | 14/055,813 | 2014/0102531 |  | Published |
| United States of America                                                                                                                 |   |     |            |              |  |           |
| Owner Name: Solexel, Inc.                                                                                                                |   |     |            |              |  |           |
| Division Name:                                                                                                                           |   |     |            |              |  |           |
| Agent Name:                                                                                                                              |   |     |            |              |  |           |
| Title: MONOLITHICALLY-INTEGRATED BYPASS SWITCH (MIBS) FOR DISTRIBUTED SHADE MANAGEMENT AND ENHANCED ENERGY YIELD IN PHOTOVOLTAIC MODULES |   |     |            |              |  |           |
| Attorneys:                                                                                                                               |   |     |            |              |  |           |
| Client Reference:                                                                                                                        |   |     |            |              |  |           |
| Agent Reference:                                                                                                                         |   |     |            |              |  |           |

|                                                                                                                                          |   |     |             |             |  |           |
|------------------------------------------------------------------------------------------------------------------------------------------|---|-----|-------------|-------------|--|-----------|
| 087                                                                                                                                      | 0 | ORD | 16-Oct-2013 | 17-Apr-2014 |  | Published |
| United States of America                                                                                                                 |   |     |             |             |  |           |
| Owner Name: Solexel, Inc.                                                                                                                |   |     |             |             |  |           |
| Division Name:                                                                                                                           |   |     |             |             |  |           |
| Agent Name:                                                                                                                              |   |     |             |             |  |           |
| Title: MONOLITHICALLY-INTEGRATED BYPASS SWITCH (MIBS) FOR DISTRIBUTED SHADE MANAGEMENT AND ENHANCED ENERGY YIELD IN PHOTOVOLTAIC MODULES |   |     |             |             |  |           |
| Attorneys:                                                                                                                               |   |     |             |             |  |           |
| Client Reference:                                                                                                                        |   |     |             |             |  |           |
| Agent Reference:                                                                                                                         |   |     |             |             |  |           |

Patent LisvStatus (by Case Number)

TRADEMARK

REEL: 005909 FRAME: 0538

| Case Number                                                                                           | Sub Case | Case Type | Application No. | Publication No. | Patent No. | Status    |
|-------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|------------|-----------|
| 088                                                                                                   | 0        | ORD       | PCT/US13/688599 | WO2014071417    |            | Published |
| Patent Cooperation Treaty<br>Owner Name: Solexel, Inc.<br>Division Name:<br>Agent Name:               |          |           |                 |                 |            |           |
| Title: MONOLITHIC ISLED (TILED) SOLAR CELL (CELL) FOR LOW-COST HIGH-PERFORMANCE PHOTOVOLTAICS MODULES |          |           |                 |                 |            |           |
| 088                                                                                                   | 0        | ORD       | 14/072,759      | 20140326295     |            | Published |
| United States of America<br>Owner Name: Solexel, Inc.<br>Division Name:<br>Agent Name:                |          |           |                 |                 |            |           |
| Title: MONOLITHIC ISLED (TILED) SOLAR CELL (CELL) FOR LOW-COST HIGH-PERFORMANCE PHOTOVOLTAICS MODULES |          |           |                 |                 |            |           |
| 093                                                                                                   | 0        | ORD       | PCT/US14/16140  | WO2014127067    |            | Published |
| Patent Cooperation Treaty<br>Owner Name: Solexel, Inc.<br>Division Name:<br>Agent Name:               |          |           |                 |                 |            |           |
| Title: MONOLITHICALLY ISLED BACK CONTACT BACK JUNCTION SOLAR CELLS USING BULK WAFERS                  |          |           |                 |                 |            |           |
| 093                                                                                                   | 0        | ORD       | 14/179,526      |                 |            | Pending   |
| United States of America<br>Owner Name: Solexel, Inc.<br>Division Name:<br>Agent Name:                |          |           |                 |                 |            |           |
| Title: MONOLITHICALLY ISLED BACK CONTACT BACK JUNCTION SOLAR CELLS USING BULK WAFERS                  |          |           |                 |                 |            |           |
| 101                                                                                                   | 0        | ORD       | PCT/US14/34054  | WO2014169292    |            | Published |
| Patent Cooperation Treaty<br>Owner Name: Solexel, Inc.<br>Division Name:<br>Agent Name:               |          |           |                 |                 |            |           |
| Title: EMBEDDED POWER ELECTRONICS FOR SMART PHOTOVOLTAIC MODULES                                      |          |           |                 |                 |            |           |
| 101                                                                                                   | 0        | ORD       | 14/252,750      |                 |            | Pending   |
| United States of America<br>Owner Name: Solexel, Inc.<br>Division Name:<br>Agent Name:                |          |           |                 |                 |            |           |
| Title: EMBEDDED POWER ELECTRONICS FOR SMART PHOTOVOLTAIC MODULES                                      |          |           |                 |                 |            |           |

Patent LisvStatus (by Case Number)

| Case Number                                                                                                                                                                                                       | Sub Case | Case Type | Application No. | Publication No. | Patent No. | Status    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|------------|-----------|
| 102                                                                                                                                                                                                               | 0        | ORD       | PCT/US14/35209  | WO2014176380    |            | Published |
| Patent Cooperation Treaty<br>Filing Date: 23-Apr-2014<br>Publication Date: 30-Oct-2014<br>Owner Name: Solexel, Inc.<br>Attorneys: JW IP<br>Division Name:<br>Client Reference:<br>Agent Name:<br>Agent Reference: |          |           |                 |                 |            |           |
| Title: Bus-bars and Metal 2 Exclusions for 2-level Metallized Solar Cells                                                                                                                                         |          |           |                 |                 |            |           |
| 102                                                                                                                                                                                                               | 0        | ORD       | 14/260,272      |                 |            | Pending   |
| United States of America<br>Filing Date: 23-Apr-2014<br>Owner Name: Solexel, Inc.<br>Attorneys: JW IP<br>Division Name:<br>Client Reference:<br>Agent Name:<br>Agent Reference:                                   |          |           |                 |                 |            |           |
| Title: Bus-bars and Metal 2 Exclusions for 2-level Metallized Solar Cells                                                                                                                                         |          |           |                 |                 |            |           |
| 103                                                                                                                                                                                                               |          | HM        | PCT/US14/35965  | WO2014179368    |            | Published |
| Patent Cooperation Treaty<br>Filing Date: 29-Apr-2014<br>Owner Name: Solexel, Inc.<br>Attorneys: JW IP<br>Division Name:<br>Client Reference:<br>Agent Name:<br>Agent Reference:                                  |          |           |                 |                 |            |           |
| Title: DAMAGE FREE LASER PATTERNING OF TRANSPARENT LAYERS FOR FORMING DOPED REGIONS ON A SOLAR CELL SUBSTRATE                                                                                                     |          |           |                 |                 |            |           |
| 103                                                                                                                                                                                                               | LA       | ORD       | PCT/US14/35961  | WO2014179366    |            | Published |
| Patent Cooperation Treaty<br>Filing Date: 29-Apr-2014<br>Owner Name: Solexel, Inc.<br>Attorneys: JW IP<br>Division Name:<br>Client Reference:<br>Agent Name:<br>Agent Reference:                                  |          |           |                 |                 |            |           |
| Title: ANNEALING FOR DAMAGE FREE LASER PROCESSING FOR HIGH EFFICIENCY SOLAR CELLS                                                                                                                                 |          |           |                 |                 |            |           |
| 103                                                                                                                                                                                                               | HM       | ORD       | 14/265,351      |                 |            | Pending   |
| United States of America<br>Filing Date: 29-Apr-2014<br>Owner Name: Solexel, Inc.<br>Attorneys: JW IP<br>Division Name:<br>Client Reference:<br>Agent Name:<br>Agent Reference:                                   |          |           |                 |                 |            |           |
| Title: DAMAGE FREE LASER PATTERNING OF TRANSPARENT LAYERS FOR FORMING DOPED REGIONS ON A SOLAR CELL SUBSTRATE                                                                                                     |          |           |                 |                 |            |           |
| 103                                                                                                                                                                                                               | LA       | ORD       | 14/265,331      |                 |            | Pending   |
| United States of America<br>Filing Date: 29-Apr-2014<br>Owner Name: Solexel, Inc.<br>Attorneys: JW IP<br>Division Name:<br>Client Reference:<br>Agent Name:<br>Agent Reference:                                   |          |           |                 |                 |            |           |
| Title: ANNEALING FOR DAMAGE FREE LASER PROCESSING FOR HIGH EFFICIENCY SOLAR CELLS                                                                                                                                 |          |           |                 |                 |            |           |

Patent LisvStatus (by Case Number)

TRADEMARK

REEL: 005909 FRAME: 0540

| Case Number                                                                                                         | Sub Case | Case Type | Application No. | Publication No. | Patent No. | Status    |
|---------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|------------|-----------|
| 104                                                                                                                 | 0        | ORD       | PCT/US14/37746  | WO2014186300    |            | Published |
| Patent Cooperation Treaty                                                                                           |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                           |          |           |                 |                 |            |           |
| Division Name:                                                                                                      |          |           |                 |                 |            |           |
| Agent Name:                                                                                                         |          |           |                 |                 |            |           |
| Title: SOLAR PHOTOVOLTAIC BLINDS AND CURTAINS FOR RESIDENTIAL AND COMMERCIAL BUILDINGS                              |          |           |                 |                 |            |           |
| 104                                                                                                                 | 0        | ORD       | 14/275,869      |                 |            | Pending   |
| United States of America                                                                                            |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                           |          |           |                 |                 |            |           |
| Division Name:                                                                                                      |          |           |                 |                 |            |           |
| Agent Name:                                                                                                         |          |           |                 |                 |            |           |
| Title: SOLAR PHOTOVOLTAIC BLINDS AND CURTAINS FOR RESIDENTIAL AND COMMERCIAL BUILDINGS                              |          |           |                 |                 |            |           |
| 106                                                                                                                 | 0        | ORD       | PCT/US14/45169  |                 |            | Pending   |
| Patent Cooperation Treaty                                                                                           |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                           |          |           |                 |                 |            |           |
| Division Name:                                                                                                      |          |           |                 |                 |            |           |
| Agent Name:                                                                                                         |          |           |                 |                 |            |           |
| Title: ENHANCED-THROUGHPUT THERMAL PROCESSING METHODS FOR PRODUCING HIGH-EFFICIENCY CRYSTALLINE SILICON SOLAR CELLS |          |           |                 |                 |            |           |
| 106                                                                                                                 | 0        | ORD       | 14/321,802      |                 |            | Pending   |
| United States of America                                                                                            |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                           |          |           |                 |                 |            |           |
| Division Name:                                                                                                      |          |           |                 |                 |            |           |
| Agent Name:                                                                                                         |          |           |                 |                 |            |           |
| Title: ENHANCED-THROUGHPUT THERMAL PROCESSING METHODS FOR PRODUCING HIGH-EFFICIENCY CRYSTALLINE SILICON SOLAR CELLS |          |           |                 |                 |            |           |
| 107                                                                                                                 | 0        | ORD       | PCT/US14/45630  |                 |            | Pending   |
| Patent Cooperation Treaty                                                                                           |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                           |          |           |                 |                 |            |           |
| Division Name:                                                                                                      |          |           |                 |                 |            |           |
| Agent Name:                                                                                                         |          |           |                 |                 |            |           |
| Title: SURFACE PASSIVATION OF HIGH-EFFICIENCY CRYSTALLINE SILICON SOLAR CELLS                                       |          |           |                 |                 |            |           |
| 107                                                                                                                 | 0        | ORD       | 14/325,356      |                 |            | Pending   |
| United States of America                                                                                            |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                                           |          |           |                 |                 |            |           |
| Division Name:                                                                                                      |          |           |                 |                 |            |           |
| Agent Name:                                                                                                         |          |           |                 |                 |            |           |
| Title: SURFACE PASSIVATION OF HIGH-EFFICIENCY CRYSTALLINE SILICON SOLAR CELLS                                       |          |           |                 |                 |            |           |



Patent LisvStatus (by Case Number)

TRADEMARK

REEL: 005909 FRAME: 0541

| Case Number                                                                                                                                                                  | Sub Case | Case Type | Application No. | Publication No.  | Patent No.  | Status  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|------------------|-------------|---------|
| Country                                                                                                                                                                      |          |           | Filing Date     | Publication Date | Patent Date |         |
| 108                                                                                                                                                                          | 0        | ORD       | PCT/US14/5836   |                  |             | Pending |
| Patent Cooperation Treaty<br>Owner Name: Solexel, Inc.<br>Division Name:<br>Agent Name:                                                                                      |          |           |                 |                  |             |         |
| Title: THIN FILM SOLAR CELL LAMINATION STACK FOR HIGH VOLUME MANUFACTURING<br>Attorneys: JW IP                                                                               |          |           |                 |                  |             |         |
| Client Reference:<br>Agent Reference:                                                                                                                                        |          |           |                 |                  |             |         |
| 108                                                                                                                                                                          | 0        | ORD       | 14/326,461      |                  |             | Pending |
| United States of America<br>Owner Name: Solexel, Inc.<br>Division Name:<br>Agent Name:                                                                                       |          |           |                 |                  |             |         |
| Title: THIN FILM SOLAR CELL LAMINATION STACK FOR HIGH VOLUME MANUFACTURING<br>Attorneys: JW IP                                                                               |          |           |                 |                  |             |         |
| Client Reference:<br>Agent Reference:                                                                                                                                        |          |           |                 |                  |             |         |
| 112                                                                                                                                                                          | 0        | ORD       | PCT/US14/8989   |                  |             | Pending |
| Patent Cooperation Treaty<br>Owner Name: Solexel, Inc.<br>Division Name:<br>Agent Name:                                                                                      |          |           |                 |                  |             |         |
| Title: THIN FILM SOLAR CELL LAMINATION STACK FOR HIGH VOLUME MANUFACTURING<br>Attorneys: JW IP                                                                               |          |           |                 |                  |             |         |
| Client Reference:<br>Agent Reference:                                                                                                                                        |          |           |                 |                  |             |         |
| 114                                                                                                                                                                          | 0        | ORD       | PCT/US14/53759  |                  |             | Pending |
| Patent Cooperation Treaty<br>Owner Name: Solexel, Inc.<br>Division Name:<br>Agent Name:                                                                                      |          |           |                 |                  |             |         |
| Title: Flexible Backplane Materials and Related Lamination Processes for Backplane-Attached High-Efficiency Solar Cells and Modules<br>Attorneys: JW IP                      |          |           |                 |                  |             |         |
| Client Reference:<br>Agent Reference:                                                                                                                                        |          |           |                 |                  |             |         |
| 114                                                                                                                                                                          | 0        | ORD       | 14/475,566      |                  |             | Pending |
| United States of America<br>Owner Name: Solexel, Inc.<br>Division Name:<br>Agent Name:                                                                                       |          |           |                 |                  |             |         |
| Title: Contiguous-Backplane-Attached Photovoltaic Module Structures and Manufacturing Methods Using Monolithic Cell-Level and Module-Level Metallization<br>Attorneys: JW IP |          |           |                 |                  |             |         |
| Client Reference:<br>Agent Reference:                                                                                                                                        |          |           |                 |                  |             |         |
| 115                                                                                                                                                                          | 0        | ORD       | PCT/US14/55964  |                  |             | Pending |
| Patent Cooperation Treaty<br>Owner Name: Solexel, Inc.<br>Division Name:<br>Agent Name:                                                                                      |          |           |                 |                  |             |         |
| Title: Contiguous-Backplane-Attached Photovoltaic Module Structures and Manufacturing Methods Using Monolithic Cell-Level and Module-Level Metallization<br>Attorneys: JW IP |          |           |                 |                  |             |         |
| Client Reference:<br>Agent Reference:                                                                                                                                        |          |           |                 |                  |             |         |
| 115                                                                                                                                                                          | 0        | ORD       | 16-Sep-2014     |                  |             | Pending |
| Patent Cooperation Treaty<br>Owner Name: Solexel, Inc.<br>Division Name:<br>Agent Name:                                                                                      |          |           |                 |                  |             |         |
| Title: DAMAGE FREE LASER PATTERNING OF ALUMINUM OXIDE FOR SOLAR CELL APPLICATIONS<br>Attorneys: JW IP                                                                        |          |           |                 |                  |             |         |
| Client Reference:<br>Agent Reference:                                                                                                                                        |          |           |                 |                  |             |         |

Patent LisuStatus (by Case Number)

| Case Number                                                                                      | Sub Case | Case Type | Application No. | Filing Date | Publication No. | Publication Date | Patent No. | Patent Date | Status  |
|--------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-------------|-----------------|------------------|------------|-------------|---------|
| 115                                                                                              | 0        | ORD       | 14/438,263      | 16-Sep-2014 |                 |                  |            |             | Pending |
| United States of America                                                                         |          |           |                 |             |                 |                  |            |             |         |
| <u>Owner Name:</u> Solexel, Inc.                                                                 |          |           |                 |             |                 |                  |            |             |         |
| <u>Division Name:</u>                                                                            |          |           |                 |             |                 |                  |            |             |         |
| <u>Agent Name:</u>                                                                               |          |           |                 |             |                 |                  |            |             |         |
| <u>Title:</u> DAMAGE FREE LASER PATTERNING OF ALUMINUM OXIDE FOR SOLAR CELL APPLICATIONS         |          |           |                 |             |                 |                  |            |             |         |
| 116                                                                                              | 0        | ORD       | 14/493,341      | 22-Sep-2014 |                 |                  |            |             | Pending |
| United States of America                                                                         |          |           |                 |             |                 |                  |            |             |         |
| <u>Owner Name:</u> Solexel, Inc.                                                                 |          |           |                 |             |                 |                  |            |             |         |
| <u>Division Name:</u>                                                                            |          |           |                 |             |                 |                  |            |             |         |
| <u>Agent Name:</u>                                                                               |          |           |                 |             |                 |                  |            |             |         |
| <u>Title:</u> FABRICATION METHODS FOR MONOLITHICALLY SLED BACK CONTACT BACK JUNCTION SOLAR CELLS |          |           |                 |             |                 |                  |            |             |         |
| 116                                                                                              | 1        | ORD       | 14/493,335      | 22-Sep-2014 |                 |                  |            |             | Pending |
| United States of America                                                                         |          |           |                 |             |                 |                  |            |             |         |
| <u>Owner Name:</u> Solexel, Inc.                                                                 |          |           |                 |             |                 |                  |            |             |         |
| <u>Division Name:</u>                                                                            |          |           |                 |             |                 |                  |            |             |         |
| <u>Agent Name:</u>                                                                               |          |           |                 |             |                 |                  |            |             |         |
| <u>Title:</u> FABRICATION METHODS FOR BACK CONTACT SOLAR CELLS                                   |          |           |                 |             |                 |                  |            |             |         |
| 117                                                                                              | 0        | ORD       | 14/495,883      | 24-Sep-2014 |                 |                  |            |             | Pending |
| United States of America                                                                         |          |           |                 |             |                 |                  |            |             |         |
| <u>Owner Name:</u> Solexel, Inc.                                                                 |          |           |                 |             |                 |                  |            |             |         |
| <u>Division Name:</u>                                                                            |          |           |                 |             |                 |                  |            |             |         |
| <u>Agent Name:</u>                                                                               |          |           |                 |             |                 |                  |            |             |         |
| <u>Title:</u> PHOTOVOLTAIC MONOLITHIC SOLAR MODULE CONNECTION AND FABRICATION METHODS            |          |           |                 |             |                 |                  |            |             |         |
| 121                                                                                              | 0        | ORD       | PCT/US14/65091  | 11-Nov-2014 |                 |                  |            |             | Pending |
| Patent Cooperation Treaty                                                                        |          |           |                 |             |                 |                  |            |             |         |
| <u>Owner Name:</u> Solexel, Inc.                                                                 |          |           |                 |             |                 |                  |            |             |         |
| <u>Division Name:</u>                                                                            |          |           |                 |             |                 |                  |            |             |         |
| <u>Agent Name:</u>                                                                               |          |           |                 |             |                 |                  |            |             |         |
| <u>Title:</u> DIELECTRIC-PASSIVATED METAL INSULATOR PHOTOVOLTAIC SOLAR CELLS                     |          |           |                 |             |                 |                  |            |             |         |
| 121                                                                                              | 0        | ORD       | 14/538760       | 11-Nov-2014 |                 |                  |            |             | Pending |
| United States of America                                                                         |          |           |                 |             |                 |                  |            |             |         |
| <u>Owner Name:</u> Solexel, Inc.                                                                 |          |           |                 |             |                 |                  |            |             |         |
| <u>Division Name:</u>                                                                            |          |           |                 |             |                 |                  |            |             |         |
| <u>Agent Name:</u>                                                                               |          |           |                 |             |                 |                  |            |             |         |
| <u>Title:</u> DIELECTRIC-PASSIVATED METAL INSULATOR PHOTOVOLTAIC SOLAR CELLS                     |          |           |                 |             |                 |                  |            |             |         |

Owner Name: Solexel, Inc.      Attorneys: JP      JW

Division Name:      Client Reference:

Agent Name:      Agent Reference:

Wednesday, December 17, 2014

## Patent LisvStatus (by Case Number)

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| Case Number                                                                    | Sub Case | Case Type | Application No. | Publication No. | Patent No. | Status  |
|--------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|------------|---------|
| 122                                                                            | 0        | ORD       | PCT/US14/65312  |                 |            | Pending |
| Patent Cooperation Treaty                                                      |          |           |                 |                 |            |         |
| Owner Name: Solexel, Inc.                                                      |          |           |                 |                 |            |         |
| Division Name:                                                                 |          |           |                 |                 |            |         |
| Agent Name:                                                                    |          |           |                 |                 |            |         |
| Title: Metal Foil Metallization for Backplane-Attached Solar Cells and Modules |          |           |                 |                 |            |         |
| 122                                                                            | 0        | ORD       | 14/539978       |                 |            | Pending |
| United States of America                                                       |          |           |                 |                 |            |         |
| Owner Name: Solexel, Inc.                                                      |          |           |                 |                 |            |         |
| Division Name:                                                                 |          |           |                 |                 |            |         |
| Agent Name:                                                                    |          |           |                 |                 |            |         |
| Title: Metal Foil Metallization for Backplane-Attached Solar Cells and Modules |          |           |                 |                 |            |         |
| 123                                                                            | 0        | ORD       | PCT/US14/67946  |                 |            | Pending |
| Patent Cooperation Treaty                                                      |          |           |                 |                 |            |         |
| Owner Name: Solexel, Inc.                                                      |          |           |                 |                 |            |         |
| Division Name:                                                                 |          |           |                 |                 |            |         |
| Agent Name:                                                                    |          |           |                 |                 |            |         |
| Title: Al2O3 Passivation for Back Contact Back Junction Solar Cells            |          |           |                 |                 |            |         |
| 123                                                                            | 0        | ORD       | 14/557,096      |                 |            | Pending |
| United States of America                                                       |          |           |                 |                 |            |         |
| Owner Name: Solexel, Inc.                                                      |          |           |                 |                 |            |         |
| Division Name:                                                                 |          |           |                 |                 |            |         |
| Agent Name:                                                                    |          |           |                 |                 |            |         |
| Title: Al2O3 Passivation for Back Contact Back Junction Solar Cells            |          |           |                 |                 |            |         |
| 124                                                                            | 0        | ORD       | PCT/US14/68242  |                 |            | Pending |
| Patent Cooperation Treaty                                                      |          |           |                 |                 |            |         |
| Owner Name: Solexel, Inc.                                                      |          |           |                 |                 |            |         |
| Division Name:                                                                 |          |           |                 |                 |            |         |
| Agent Name:                                                                    |          |           |                 |                 |            |         |
| Title: Insulator and Wide Bandgap Semiconductor Based Passivated Contacts      |          |           |                 |                 |            |         |
| 124                                                                            | 0        | ORD       | 14/558,707      |                 |            | Pending |
| United States of America                                                       |          |           |                 |                 |            |         |
| Owner Name: Solexel, Inc.                                                      |          |           |                 |                 |            |         |
| Division Name:                                                                 |          |           |                 |                 |            |         |
| Agent Name:                                                                    |          |           |                 |                 |            |         |
| Title: Insulator and Wide Bandgap Semiconductor Based Passivated Contacts      |          |           |                 |                 |            |         |

TRADEMARK

REEL: 005909 FRAME: 0543

Wednesday, December 17, 2014

## Patent LisvStatus (by Case Number)

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| Case Number                                                                                                                                                                                                                                                     | Country                  | Sub Case | Case Type | Application No. | Filing Date | Publication No. | Publication Date | Patent No. | Patent Date | Status  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------|-----------|-----------------|-------------|-----------------|------------------|------------|-------------|---------|
| 125                                                                                                                                                                                                                                                             | United States of America | P        | PRO       | 61/917,919      | 18-Dec-2013 |                 |                  |            |             | Pending |
| <u>Owner Name:</u> Solexel, Inc.<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u>                                                                                                                                              |                          |          |           |                 |             |                 |                  |            |             |         |
| 126                                                                                                                                                                                                                                                             | United States of America | P        | PRO       | 61/920,209      | 23-Dec-2013 |                 |                  |            |             | Pending |
| <u>Title:</u> Insulator and Wide Bandgap Semiconductor Based Passivated Contacts<br><u>Owner Name:</u> Solexel, Inc.<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u>                                                          |                          |          |           |                 |             |                 |                  |            |             |         |
| 127                                                                                                                                                                                                                                                             | United States of America | P        | PRO       | 61/920,271      | 23-Dec-2013 |                 |                  |            |             | Pending |
| <u>Title:</u> Amorphous Silicon Passivated (ASP) Contacts for Back Contact Back Junction Solar Cells<br><u>Owner Name:</u> Solexel, Inc.<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u>                                      |                          |          |           |                 |             |                 |                  |            |             |         |
| 128                                                                                                                                                                                                                                                             | United States of America | P        | PRO       | 61/926,852      | 13-Jan-2014 |                 |                  |            |             | Pending |
| <u>Title:</u> STRUCTURES AND METHODS OF FORMING SELF ALIGNED CONTACTS FOR HIGH EFFICIENCY BACK CONTACTED SOLAR CELLS<br><u>Owner Name:</u> Solexel, Inc.<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u>                      |                          |          |           |                 |             |                 |                  |            |             |         |
| 129                                                                                                                                                                                                                                                             | United States of America | P        | PRO       | 61/929,097      | 19-Jan-2014 |                 |                  |            |             | Pending |
| <u>Title:</u> Structures and Methods for Back-Contact Solar Cells Using Discontinuous Emitter and Base Islands<br><u>Owner Name:</u> Solexel, Inc.<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u>                            |                          |          |           |                 |             |                 |                  |            |             |         |
| 130                                                                                                                                                                                                                                                             | United States of America | P        | PRO       | 61/941,995      | 19-Feb-2014 |                 |                  |            |             | Pending |
| <u>Title:</u> TRENCH ISOLATION STRUCTURES AND MANUFACTURING PROCESS METHODS FOR MONOLITHICALLY ISLED SOLAR PHOTOVOLTAIC CELLS AND MODULES<br><u>Owner Name:</u> Solexel, Inc.<br><u>Attorneys:</u> JW IP<br><u>Client Reference:</u><br><u>Agent Reference:</u> |                          |          |           |                 |             |                 |                  |            |             |         |

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REEL: 005909 FRAME: 0544

Wednesday, December 17, 2014

## Patent LisuStatus (by Case Number)

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| Case Number                                                                                                          | Sub Case | Case Type | Application No. | Filing Date | Publication No. | Publication Date | Patent No. | Patent Date | Status  |
|----------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-------------|-----------------|------------------|------------|-------------|---------|
| 131                                                                                                                  | P        | PRO       | 61/943,332      | 22-Feb-2014 |                 |                  |            |             | Pending |
| United States of America                                                                                             |          |           |                 |             |                 |                  |            |             |         |
| <u>Owner Name:</u> Solexel, Inc.                                                                                     |          |           |                 |             |                 |                  |            |             |         |
| <u>Division Name:</u>                                                                                                |          |           |                 |             |                 |                  |            |             |         |
| <u>Agent Name:</u>                                                                                                   |          |           |                 |             |                 |                  |            |             |         |
| <u>Title:</u> Smart Photovoltaic Modules Using Embedded Distributed MPPT Power Optimizers                            |          |           |                 |             |                 |                  |            |             |         |
| 132                                                                                                                  | P        | PRO       | 61/954,116      | 26-Feb-2014 |                 |                  |            |             | Pending |
| United States of America                                                                                             |          |           |                 |             |                 |                  |            |             |         |
| <u>Owner Name:</u> Solexel, Inc.                                                                                     |          |           |                 |             |                 |                  |            |             |         |
| <u>Division Name:</u>                                                                                                |          |           |                 |             |                 |                  |            |             |         |
| <u>Agent Name:</u>                                                                                                   |          |           |                 |             |                 |                  |            |             |         |
| <u>Title:</u> STRUCTURES AND METHODS OF FORMING SELF ALIGNED CONTACTS FOR HIGH EFFICIENCY BACK CONTACTED SOLAR CELLS |          |           |                 |             |                 |                  |            |             |         |
| 133                                                                                                                  | P        | PRO       | 61/945,126      | 26-Feb-2014 |                 |                  |            |             | Pending |
| United States of America                                                                                             |          |           |                 |             |                 |                  |            |             |         |
| <u>Owner Name:</u> Solexel, Inc.                                                                                     |          |           |                 |             |                 |                  |            |             |         |
| <u>Division Name:</u>                                                                                                |          |           |                 |             |                 |                  |            |             |         |
| <u>Agent Name:</u>                                                                                                   |          |           |                 |             |                 |                  |            |             |         |
| <u>Title:</u> Al2O3 Passivation for Back Contact Back Junction Solar Cells                                           |          |           |                 |             |                 |                  |            |             |         |
| 134                                                                                                                  | P        | PRO       | 62/010,980      | 11-Jun-2014 |                 |                  |            |             | Pending |
| United States of America                                                                                             |          |           |                 |             |                 |                  |            |             |         |
| <u>Owner Name:</u> Solexel, Inc.                                                                                     |          |           |                 |             |                 |                  |            |             |         |
| <u>Division Name:</u>                                                                                                |          |           |                 |             |                 |                  |            |             |         |
| <u>Agent Name:</u>                                                                                                   |          |           |                 |             |                 |                  |            |             |         |
| <u>Title:</u> Monolithic Module Cell to Cell Interconnection for Improved Fault Tolerance                            |          |           |                 |             |                 |                  |            |             |         |
| 135                                                                                                                  | P        | PRO       | 62/032,414      | 01-Aug-2014 |                 |                  |            |             | Pending |
| United States of America                                                                                             |          |           |                 |             |                 |                  |            |             |         |
| <u>Owner Name:</u> Solexel, Inc.                                                                                     |          |           |                 |             |                 |                  |            |             |         |
| <u>Division Name:</u>                                                                                                |          |           |                 |             |                 |                  |            |             |         |
| <u>Agent Name:</u>                                                                                                   |          |           |                 |             |                 |                  |            |             |         |
| <u>Title:</u> Front Passivation Stabilization Using Photo-Chemical Anneal for Solar Cells                            |          |           |                 |             |                 |                  |            |             |         |
| 136                                                                                                                  | P        | PRO       | 62/033,091      | 04-Aug-2014 |                 |                  |            |             | Pending |
| United States of America                                                                                             |          |           |                 |             |                 |                  |            |             |         |
| <u>Owner Name:</u> Solexel, Inc.                                                                                     |          |           |                 |             |                 |                  |            |             |         |
| <u>Division Name:</u>                                                                                                |          |           |                 |             |                 |                  |            |             |         |
| <u>Agent Name:</u>                                                                                                   |          |           |                 |             |                 |                  |            |             |         |
| <u>Title:</u> Impact Resistant Solar Cells                                                                           |          |           |                 |             |                 |                  |            |             |         |

TRADEMARK

REEL: 005909 FRAME: 0545

Patent LisuStatus (by Case Number)

TRADEMARK

REEL: 005909 FRAME: 0546

| Case Number                                                                                                                          | Sub Case | Case Type | Application No. | Filing Date | Publication No. | Publication Date | Patent No.    | Patent Date | Status  |
|--------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------|-------------|-----------------|------------------|---------------|-------------|---------|
| 137                                                                                                                                  | P        | PRO       | 62/036,609      | 12-Aug-2014 |                 |                  | Attorneys: IP | JW          | Pending |
| <u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u>                                                      |          |           |                 |             |                 |                  |               |             |         |
| <u>Title:</u> AMORPHOUS SILICON BASED LASER DOPED HIGH PERFORMANCE SOLAR CELL STRUCTURES AND METHODS                                 |          |           |                 |             |                 |                  |               |             |         |
| 138                                                                                                                                  | P        | PRO       | 62/037,094      | 13-Aug-2014 |                 |                  | Attorneys: IP | JW          | Pending |
| <u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u>                                                      |          |           |                 |             |                 |                  |               |             |         |
| <u>Title:</u> Rear Wide Band Gap Passivated (RGP) PERC Cell Architecture                                                             |          |           |                 |             |                 |                  |               |             |         |
| 139                                                                                                                                  | P        | PRO       | 62/038,787      | 18-Aug-2014 |                 |                  | Attorneys: IP | JW          | Pending |
| <u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u>                                                      |          |           |                 |             |                 |                  |               |             |         |
| <u>Title:</u> Macro Isled Cell and Monolithic Module Metallization                                                                   |          |           |                 |             |                 |                  |               |             |         |
| 140                                                                                                                                  | P        | PRO       | 62/044,312      | 31-Aug-2014 |                 |                  | Attorneys: IP | JW          | Pending |
| <u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u>                                                      |          |           |                 |             |                 |                  |               |             |         |
| <u>Title:</u> Laser Doping Based Efficient Manufacturing Methods for Making High Efficiency Back Contacted Back Junction Solar Cells |          |           |                 |             |                 |                  |               |             |         |
| 141                                                                                                                                  | P        | PRO       | 62/044,997      | 02-Sep-2014 |                 |                  | Attorneys: IP | JW          | Pending |
| <u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u>                                                      |          |           |                 |             |                 |                  |               |             |         |
| <u>Title:</u> Multiple Metal 1 Busbar Solutions For Solar Cells                                                                      |          |           |                 |             |                 |                  |               |             |         |
| 142                                                                                                                                  | P        | PRO       | 62/077,150      | 07-Nov-2014 |                 |                  | Attorneys: JW | IP          | Pending |
| <u>Owner Name:</u> Solexel, Inc.<br><u>Division Name:</u><br><u>Agent Name:</u>                                                      |          |           |                 |             |                 |                  |               |             |         |
| <u>Title:</u> In-Line Test and Sort for Photovoltaic Monolithic Modules                                                              |          |           |                 |             |                 |                  |               |             |         |

Patent LisvStatus (by Case Number)

TRADEMARK

REEL: 005909 FRAME: 0547

| Case Number                                                                                | Sub Case | Case Type | Application No. | Publication No. | Patent No. | Status    |
|--------------------------------------------------------------------------------------------|----------|-----------|-----------------|-----------------|------------|-----------|
| 143                                                                                        | P        | PRO       | 62077878        | 10-Nov-2014     |            | Pending   |
| United States of America                                                                   |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                             |          |           |                 |                 |            |           |
| Agent Name:                                                                                |          |           |                 |                 |            |           |
| Title: Impact Resistant Lightweight Module Design                                          |          |           |                 |                 |            |           |
| JD Dainippon                                                                               | 2        | ORD       | 20121505374     | 103132121       |            | Published |
| China (People's Republic)                                                                  |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                             |          |           |                 |                 |            |           |
| Agent Name:                                                                                |          |           |                 |                 |            |           |
| Title: ANODIZING APPARATUS, AN ANODIZING SYSTEM HAVING THE SAME, AND A SEMICONDUCTOR WAFER |          |           |                 |                 |            |           |
| JD Dainippon                                                                               | 1A       | ORD       | 20100269416     | 2012119570      |            | Published |
| Japan                                                                                      |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                             |          |           |                 |                 |            |           |
| Agent Name:                                                                                |          |           |                 |                 |            |           |
| Title: ANODIZING APPARATUS                                                                 |          |           |                 |                 |            |           |
| JD Dainippon                                                                               | 1B       | ORD       | 20100269417     | 2012119571      |            | Published |
| Japan                                                                                      |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                             |          |           |                 |                 |            |           |
| Agent Name:                                                                                |          |           |                 |                 |            |           |
| Title: ANODIZING APPARATUS                                                                 |          |           |                 |                 |            |           |
| JD Dainippon                                                                               | 2        | ORD       | 20110262421     | 2013112880      |            | Published |
| Japan                                                                                      |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                             |          |           |                 |                 |            |           |
| Agent Name:                                                                                |          |           |                 |                 |            |           |
| Title: ANODIZING APPARATUS, AN ANODIZING SYSTEM HAVING THE SAME, AND A SEMICONDUCTOR WAFER |          |           |                 |                 |            |           |
| JD Dainippon                                                                               | 1        | ORD       | 13/310,083      | 20120138455     |            | Allowed   |
| United States of America                                                                   |          |           |                 |                 |            |           |
| Owner Name: Solexel, Inc.                                                                  |          |           |                 |                 |            |           |
| Division Name:                                                                             |          |           |                 |                 |            |           |
| Agent Name: Sugitani Patent Office                                                         |          |           |                 |                 |            |           |
| Title: ANODIZING APPARATUS                                                                 |          |           |                 |                 |            |           |

Attorneys: JW IP  
 Client Reference:  
 Agent Reference: P11-44-1US

Wednesday, December 17, 2014

Patent Lis/Status (by Case Number)

| Case Number  | Sub Case | Case Type | Application No. | Filing Date | Publication No. | Publication Date | Patent No. | Patent Date | Status    |
|--------------|----------|-----------|-----------------|-------------|-----------------|------------------|------------|-------------|-----------|
| JD Dainippon | 2        | ORD       | 13/688,645      | 29-Nov-2012 | 20130154061     | 20-Jun-2013      |            |             | Published |

Owner Name: Solexel, Inc.

Attorneys: JW IP

Division Name:

Client Reference:

Agent Name:

Agent Reference:

Title: ANODIZING APPARATUS, AN ANODIZING SYSTEM HAVING THE SAME AND A SEMICONDUCTOR WAFER

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**Schedule B to the  
IP Security Agreement**

**TRADEMARKS**

(See Attached)

Patent LisuStatus (by Case Number)

| Case Number                 | Sub Case | Case Type | Application No. | Publication No.  | Patent No.  | Status     |
|-----------------------------|----------|-----------|-----------------|------------------|-------------|------------|
| Country                     |          |           | Filing Date     | Publication Date | Patent Date |            |
| TM FLXSMT                   |          | TMK       | 85802380        |                  |             | Pending    |
| United States of America    |          |           |                 |                  |             |            |
| Owner Name: Solexel, Inc.   |          |           |                 |                  |             |            |
| Division Name:              |          |           |                 |                  |             |            |
| Agent Name:                 |          |           |                 |                  |             |            |
| Title: FLEXSMART, word mark |          |           |                 |                  |             |            |
| TM ICELL                    |          | TMK       | 85802388        |                  |             | Pending    |
| United States of America    |          |           |                 |                  |             |            |
| Owner Name: Solexel, Inc.   |          |           |                 |                  |             |            |
| Division Name:              |          |           |                 |                  |             |            |
| Agent Name:                 |          |           |                 |                  |             |            |
| Title: ICELL, word mark     |          |           |                 |                  |             |            |
| TM SOLT                     | CA       | TMK       | 1699536         |                  |             | Pending    |
| Canada                      |          |           |                 |                  |             |            |
| Owner Name: Solexel, Inc.   |          |           |                 |                  |             |            |
| Division Name:              |          |           |                 |                  |             |            |
| Agent Name:                 |          |           |                 |                  |             |            |
| Title: SOLEXEL, word mark   |          |           |                 |                  |             |            |
| TM SOLT                     | CN1      | TMK       | 6706659         |                  | 6706659     | Registered |
| China (People's Republic)   |          |           |                 |                  |             |            |
| Owner Name: Solexel, Inc.   |          |           |                 |                  |             |            |
| Division Name:              |          |           |                 |                  |             |            |
| Agent Name:                 |          |           |                 |                  |             |            |
| Title: SOLEXEL, word mark   |          |           |                 |                  |             |            |
| TM SOLT                     | CN2      | TMK       | 6706660         |                  | 6706660     | Registered |
| China (People's Republic)   |          |           |                 |                  |             |            |
| Owner Name: Solexel, Inc.   |          |           |                 |                  |             |            |
| Division Name:              |          |           |                 |                  |             |            |
| Agent Name:                 |          |           |                 |                  |             |            |
| Title: SOLEXEL, word mark   |          |           |                 |                  |             |            |
| TM SOLT                     | EU       | TMK       | 006871412       |                  | 006871412   | Registered |
| European Patent Convention  |          |           |                 |                  |             |            |
| Owner Name: Solexel, Inc.   |          |           |                 |                  |             |            |
| Division Name:              |          |           |                 |                  |             |            |
| Agent Name:                 |          |           |                 |                  |             |            |
| Title: SOLEXEL, word mark   |          |           |                 |                  |             |            |
| TM SOLT                     | EU       | TMK       | 006871412       |                  | 006871412   | Registered |
| European Patent Convention  |          |           |                 |                  |             |            |
| Owner Name: Solexel, Inc.   |          |           |                 |                  |             |            |
| Division Name:              |          |           |                 |                  |             |            |
| Agent Name:                 |          |           |                 |                  |             |            |
| Title: SOLEXEL, word mark   |          |           |                 |                  |             |            |

Patent LisvStatus (by Case Number)

| Case Number                                                                                                                                                                  | Sub Case | Case Type | Application No.              | Publication No.  | Patent No.               | Status     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|------------------------------|------------------|--------------------------|------------|
| Country                                                                                                                                                                      |          |           | Filing Date                  | Publication Date | Patent Date              |            |
| TM SOLT<br>Hong Kong                                                                                                                                                         | HK       | TMK       | 301107080<br>30-Apr-2008     |                  | 301107080<br>30-Apr-2008 | Registered |
| <p>Owner Name: Solexel, Inc.<br/>           Division Name:<br/>           Agent Name:</p> <p>Attorneys:<br/>           Client Reference:<br/>           Agent Reference:</p> |          |           |                              |                  |                          |            |
| TM SOLT<br>India                                                                                                                                                             | IN       | TMK       | 1682328<br>30-Apr-2008       |                  | 1682328<br>31-Mar-2010   | Registered |
| <p>Owner Name: Solexel, Inc.<br/>           Division Name:<br/>           Agent Name:</p> <p>Attorneys:<br/>           Client Reference:<br/>           Agent Reference:</p> |          |           |                              |                  |                          |            |
| TM SOLT<br>Japan                                                                                                                                                             | JP       | TMK       | 2008036575<br>13-May-2008    |                  | 5150159<br>11-Jul-2008   | Registered |
| <p>Owner Name: Solexel, Inc.<br/>           Division Name:<br/>           Agent Name:</p> <p>Attorneys:<br/>           Client Reference:<br/>           Agent Reference:</p> |          |           |                              |                  |                          |            |
| TM SOLT<br>Korea, Republic of                                                                                                                                                | KR       | TMK       | 4520080002834<br>01-Jul-2008 |                  | 450029060<br>17-Sep-2009 | Registered |
| <p>Owner Name: Solexel, Inc.<br/>           Division Name:<br/>           Agent Name:</p> <p>Attorneys:<br/>           Client Reference:<br/>           Agent Reference:</p> |          |           |                              |                  |                          |            |
| TM SOLT<br>Switzerland                                                                                                                                                       | SW       | TMK       | 555062008<br>28-Apr-2008     |                  | 579444<br>21-Nov-2008    | Registered |
| <p>Owner Name: Solexel, Inc.<br/>           Division Name:<br/>           Agent Name:</p> <p>Attorneys:<br/>           Client Reference:<br/>           Agent Reference:</p> |          |           |                              |                  |                          |            |
| TM SOLT<br>United States of America                                                                                                                                          | US       | TMK       | 77335628<br>21-Nov-2007      |                  | 4218007                  | Registered |
| <p>Owner Name: Solexel, Inc.<br/>           Division Name:<br/>           Agent Name:</p> <p>Attorneys:<br/>           Client Reference:<br/>           Agent Reference:</p> |          |           |                              |                  |                          |            |

**Schedule C to the  
IP Security Agreement**

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None.

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