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| PATENT ASSIGNMENT COVER SHEET |
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EPAS ID: PAT3149535

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| JEHAD A ABUSHAMA | 12/09/2014 |
| RECEIVING PARTY DATA | |
| Name: | SOLACTRON, INC. |
| Street Address: | 1394 TULLY ROAD, SUITE 213 |
| City: | SAN JOSE |
| State/Country: | CALIFORNIA |
| Postal Code: | 95122 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14214665 |
| CORRESPONDENCE DATA | |
| Fax Number: | |
| <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> | |
| Email: | tle@inhouseco.com, alexc@inhouseco.com |
| Correspondent Name: | ALEXANDER CHEN |
| Address Line 1: | 7700 IRVINE CENTER DRIVE, SUITE 800 |
| Address Line 4: | IRVINE, CALIFORNIA 92618 |
| NAME OF SUBMITTER: | ALEXANDER CHEN |
| SIGNATURE: | /alexanderchen/ |
| DATE SIGNED: | 12/16/2014 |
| Total Attachments: 1 | |
| source=US-PATENT-APPL#14214665#page1.tif | |

ASSIGNMENT DEED

This Assignment agreement is applicable to an invention entitled (Invention Title):
METHOD AND APPARATUS FOR DEPOSITING COPPER-INDIUM-GALLIUM-SELENIDE (CuInGaSe2-CIGS) THIN FILMS AND OTHER MATERIALS ON A SUBSTRATE

The PATENT RIGHTS referred to in this agreement are:

- (Check one) a Patent Application for this invention, executed by the ASSIGNOR(S) concurrently with this Assignment
 U.S. Patent Application Serial No. 14214585, filed March 15, 2014
 U.S. Patent No. _____, issued _____

The PATENT RIGHTS assigned under this agreement are:

- (Check One) U.S. Patent rights only
 worldwide Patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. Patent Application identified above.

The ASSIGNOR(S) referred to in this agreement is (or are):

(Full name of sole or first assignor) Jehad A Abushama

(Address) 1394 Tully Road, Suite 213, San Jose, CA 95122

(Full name of second joint assignor, if any)

(Address)

Additional assignors are being named on separately numbered sheets attached hereto.

The ASSIGNEE(S) referred to in this agreement is (or are):

(Name of Assignee) Solacron, Inc.

(Address of Assignee) 1394 Tully Road, Suite 213, San Jose, CA 95122

The sole or first ASSIGNEE is:

- (Check One) an individual
 a partnership
 a Corporation of Delaware (State or Country)

Additional assignees are being named on separately numbered sheets attached hereto.

The ASSIGNOR(S), in consideration of \$1.00 paid by each ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, have and do hereby assign the following to each ASSIGNEE; their successors and assigns.

the full and exclusive right to the invention;

an equal interest in and to the entire right, title and interest in and to the PATENT RIGHTS in the invention, all continuations, continuations-in-part, divisionals, re-issues, and re-examination patents and patent applications; and

the right to claim priority under 35 U.S.C. § 119, based on any earlier foreign applications for this invention.

As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE(S) as the ASSIGNEE(S) of an equal interest in the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE(S), their successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE(S), or their representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(S), their successors and assigns, to obtain and enforced proper protection for said invention.

(Signature of sole or first assignor)

12/09/2014 (Date)

(Signature of second assignor, if any)

(Date)