

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM315847

<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>
SOLARBRIDGE TECHNOLOGIES, INC.		07/24/2013	CORPORATION: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	SILICON VALLEY BANK		
<b>Street Address:</b>	3003 Tasman Drive		
<b>City:</b>	Santa Clara		
<b>State/Country:</b>	CALIFORNIA		
<b>Postal Code:</b>	95054		
<b>Entity Type:</b>	CORPORATION: CALIFORNIA		
<b>PROPERTY NUMBERS Total: 5</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Registration Number:</b>	4268662	PANTHEON	
<b>Registration Number:</b>	4099385	SOLARBRIDGE TECHNOLOGIES	
<b>Registration Number:</b>	4096512	SOLARBRIDGE TECHNOLOGIES	
<b>Registration Number:</b>	4099270	SOLARBRIDGE	
<b>Serial Number:</b>	85831569	TRUEAC	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	4088524475		
<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>	4088417195		
<b>Email:</b>	dsanchezbentz@vlpawgroup.com		
<b>Correspondent Name:</b>	Diana Sanchez Bentz, Legal Specialist		
<b>Address Line 1:</b>	VLP Law Group LLP		
<b>Address Line 2:</b>	235 Victoria Drive		
<b>Address Line 4:</b>	Gilroy, CALIFORNIA 95020		
<b>ATTORNEY DOCKET NUMBER:</b>	SVB-SOLARBRIDGE (TMS)		
<b>NAME OF SUBMITTER:</b>	Diana Sanchez Bentz		
<b>SIGNATURE:</b>	/dsb 1068/		
<b>DATE SIGNED:</b>	09/02/2014		

OP \$140.00 4268662

**Total Attachments: 12**

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## INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement (“Agreement”) is entered into as of July 24, 2013, by and between SILICON VALLEY BANK (“Bank”) and SOLARBRIDGE TECHNOLOGIES, INC. (“Grantor”).

### RECITALS

A. Bank has agreed to make certain advances of money and to extend certain financial accommodation to Grantor (the “Loans”) in the amounts and manner set forth in that certain Loan and Security Agreement by and between Bank and Grantor dated as of September 14, 2012 (as the same may be amended, modified or supplemented from time to time, the “Loan Agreement”; capitalized terms used herein are used as defined in the Loan Agreement).

B. Grantor wishes to issue additional Indebtedness to its existing investors (the “Bridge Financing”). Bank is willing to permit the Bridge Financing, but only upon the condition, among others, that Grantor shall grant to Bank a security interest in certain Copyrights, Trademarks, Patents, and Mask Works (as each term is described below) to secure the obligations of Grantor under the Loan Agreement.

C. Pursuant to the terms of the Loan Agreement, as amended by a certain First Amendment to Loan and Security Agreement by and between Bank and Grantor dated on or about the date hereof, Grantor has granted to Bank a security interest in all of Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Loan Agreement, Grantor hereby represents, warrants, covenants and agrees as follows:

### AGREEMENT

1. Grant of Security Interest. To secure its obligations under the Loan Agreement, Grantor grants and pledges to Bank a security interest in all of Grantor's right, title and interest in, to and under its intellectual property (all of which shall collectively be called the “Intellectual Property Collateral”), including, without limitation, the following:

(a) Any and all copyright rights, copyright applications, copyright registrations and like protections in each work or authorship and derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held, including without limitation those set forth on Exhibit A attached hereto (collectively, the “Copyrights”);

(b) Any and all trade secrets, and any and all intellectual property rights in computer software and computer software products now or hereafter existing, created, acquired or held;

(c) Any and all design rights that may be available to Grantor now or hereafter existing, created, acquired or held;

(d) All patents, patent applications and like protections including, without limitation, improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the same, including without limitation the patents and patent applications set forth on Exhibit B attached hereto (collectively, the "Patents");

(e) Any trademark and servicemark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Grantor connected with and symbolized by such trademarks, including without limitation those set forth on Exhibit C attached hereto (collectively, the "Trademarks");

(f) All mask works or similar rights available for the protection of semiconductor chips, now owned or hereafter acquired, including, without limitation those set forth on Exhibit D attached hereto (collectively, the "Mask Works");

(g) Any and all claims for damages by way of past, present and future infringements of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(h) All licenses or other rights to use any of the Copyrights, Patents, Trademarks, or Mask Works and all license fees and royalties arising from such use to the extent permitted by such license or rights;

(i) All amendments, extensions, renewals and extensions of any of the Copyrights, Trademarks, Patents, or Mask Works; and

(j) All proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

2. Recordation. Grantor authorizes the Commissioner for Patents, the Commissioner for Trademarks and the Register of Copyrights and any other government officials to record and register this Agreement upon request by Bank.

Grantor hereby authorizes Bank to (a) modify this Agreement unilaterally by amending the exhibits to this Agreement to include any Intellectual Property Collateral which Grantor obtains subsequent to the date of this Agreement and (b) file a duplicate original of this Agreement containing amended exhibits reflecting such new Intellectual Property Collateral.

3. Loan Documents. This Agreement has been entered into pursuant to and in conjunction with the Loan Agreement, which is hereby incorporated by reference. The provisions of the Loan Agreement shall supersede and control over any conflicting or inconsistent provision herein. The rights and remedies of Bank with respect to the Intellectual Property Collateral are as provided by the Loan Agreement and related documents, and nothing in this Agreement shall be deemed to limit such rights and remedies.

4. Execution in Counterparts. This Agreement may be executed in counterparts (and by different parties hereto in different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page to this Agreement by facsimile or in electronic (i.e., "pdf" or "tif" format) shall be effective as delivery of a manually executed counterpart of this Agreement.

5. Successors and Assigns. This Agreement will be binding on and shall inure to the benefit of the parties hereto and their respective successors and assigns.

6. Governing Law. This Agreement and any claim, controversy, dispute or cause of action (whether in contract or tort or otherwise) based upon, arising out of or relating to this Agreement and the transactions contemplated hereby and thereby shall be governed by, and construed in accordance with, the laws of the United States and the State of California, without giving effect to any choice or conflict of law provision or rule (whether of the State of California or any other jurisdiction).

[Signature page follows.]

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTOR:

SOLARBRIDGE TECHNOLOGIES, INC.



By: William J. Ralston

Title: CHIEF FINANCIAL OFFICER

BANK:

SILICON VALLEY BANK

\_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTOR:

SOLARBRIDGE TECHNOLOGIES, INC.

By: \_\_\_\_\_

Title: \_\_\_\_\_

BANK:

SILICON VALLEY BANK

By:  \_\_\_\_\_

Title: VICE PRESIDENT

EXHIBIT A

Copyrights

Description

Registration/  
Application  
Number

Registration/  
Application  
Date

NONE



EXHIBIT B

Patents

<u>Description</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
Parallel power converter topology	8824178	
Supply voltage auto-sensing	8823356	
Apparatus and method for controlling a power inverter	8817510	
Energy conversion systems with power control	8796884	
Power converter bus control method, system, and article of manufacture	8767421	
Multi-mode power point tracking	8754627	
Method and apparatus for controlling an inverter using pulse mode control	8737100	
Power converter with quasi-resonant voltage multiplier having shared switching node	8737093	
Communication within a power inverter using transformer voltage frequency	8634216	
Power conversion having energy storage with dynamic reference	8624561	
Method and system for controlling a multi-stage power inverter	8611107	
Modular photovoltaic power supply assembly	8599587	
Variable duty cycle switching with imposed delay	8508964	
Quadrature-corrected feedforward control apparatus and method for DC-AC power conversion	8503200	
<i>POWER CONVERTER WITH REVERSE RECOVERY AVOIDANCE</i>	8120933	02/21/2012
ENERGY RECOVERY CIRCUIT	8450985	05/28/2013
POWER INVERTER DOCKING SYSTEM FOR PHOTOVOLTAIC MODULES	8462518	06/11/2013
PHASE LEG WITH DEPLETION-MODE DEVICE	6331794	12/18/2001
GH-SIDE SWITCH WITH DEPLETION-MODE DEVICE	6538279	03/25/2003
APPARATUS, SYSTEM, AND METHOD FOR CONTROLLING MULTIPLE POWER SUPPLIES	7663342	02/16/2010
	20080179961	07/31/2008
	11627731	01/26/2007
RIPPLE CORRELATION CONTROL BASED ON LIMITED SAMPLING	7681090	03/16/2010
	20080183338	07/31/2008
	11626911	01/25/2007
METHODS FOR MINIMIZING DOUBLE-FREQUENCY RIPPLE POWER IN SINGLE-PHASE POWER CONDITIONERS	7755916	07/13/2010
	20090097283	04/16/2009
	11871015	10/11/2007
VOLTAGE-SENSED SYSTEM AND METHOD FOR ANTI-ISLANDING PROTECTION OF GRID-CONNECTED INVERTERS	7945413	05/17/2011
	20090059631	03/05/2009
	11849827	09/04/2007
APPARATUS AND METHOD FOR CONTROLLING A POWER SUPPLY	7982434	07/19/2011
	20100283326	11/11/2010
	12699410	02/03/2010

MODULAR SYSTEM FOR UNATTENDED ENERGY GENERATION AND STORAGE	7994657	08/09/2011
	20080151484	06/26/2008
	11615074	12/22/2006
METHODS FOR MINIMIZING DOUBLE-FREQUENCY RIPPLE POWER IN SINGLE-PHASE POWER CONDITIONERS	8004865	08/23/2011
	20100238690	09/23/2010
	12794034	06/04/2010
CONFIGURABLE POWER SUPPLY ASSEMBLY	8174856	05/08/2012
	20110267858	11/03/2011
	13180170	07/11/2011
METHOD AND DEVICE FOR CONTROLLING A CONFIGURABLE POWER SUPPLY TO PROVIDE AC AND/OR DC POWER OUTPUT	8193788	06/05/2012
	20110267859	11/03/2011
	13180176	07/11/2011
SYSTEM AND APPARATUS FOR INTERCONNECTING AN ARRAY OF POWER GENERATING ASSEMBLIES	8207637	06/26/2012
	20110084556	04/14/2011
	1257661	10/09/2009
EM AND APPARATUS FOR INTERCONNECTING AN ARRAY OF POWER GENERATING ASSEMBLIES	8227942	07/24/2012
	20120104872	05/03/2012
	13344362	01/05/2012
APPARATUS FOR CONVERTING DIRECT CURRENT TO ALTERNATING CURRENT USING AN ACTIVE FILTER TO REDUCE DOUBLE-FREQUENCY RIPPLE POWER OF BUS WAVEFORM	8279642	10/02/2012
	20110026282	02/03/2011
	12563499	09/21/2009
APPARATUS AND METHOD FOR CONTROLLING A POWER INVERTER	8279649	10/02/2012
	12902083	10/11/2010
METHOD AND APPARATUS FOR CONTROLLING AN INVERTER USING PULSE MODE CONTROL	8284574	10/09/2012
	13324023	12/13/2011
METHODS FOR MINIMIZING DOUBLE-FREQUENCY RIPPLE POWER IN SINGLE-PHASE POWER CONDITIONERS	8325499	12/04/2012
	20110305050	12/15/2011
	13215527	08/23/2011
MODULAR SYSTEM FOR UNATTENDED ENERGY GENERATION AND STORAGE	8350411	01/08/2013
	20110199044	08/18/2011
	13092916	04/23/2011
VOLTAGE-SENSED SYSTEM AND METHOD FOR ANTI-ISLANDING PROTECTION OF GRID-CONNECTED INVERTERS	8423312	04/16/2013
	20110164440	07/07/2011
	13050592	03/17/2011
POWER CONVERTER WITH REVERSE RECOVERY AVOIDANCE	8451638	05/28/2013
	20120155128	06/21/2012
	13355718	01/23/2012
CONFIGURABLE POWER SUPPLY ASSEMBLY	8456876	06/04/2013
	20120075894	03/29/2012
	13309909	12/02/2011

METHOD AND DEVICE FOR CONTROLLING A CONFIGURABLE POWER SUPPLY TO PROVIDE AC AND/OR DC POWER OUTPUT	8461813	06/11/2013
	20130016544	01/17/2013
	13407305	02/28/2012
APPARATUS AND METHOD FOR CONTROLLING DC-AC POWER CONVERSION	8482947	07/09/2013
	20110026281	02/03/2011
	12563495	09/21/2009
FEMALE CONNECTOR	D644609	09/06/2011
	29375598	09/24/2010
MALE CONNECTOR	D644610	09/06/2011
	29375599	09/24/2010
Y-JUNCTION INTERCONNECT MODULE	D666974	09/11/2012
	29375595	09/24/2010
MICRO-INVERTER SOLAR PANEL MOUNTING	20140168927	
COMMUNICATION WITHIN A POWER INVERTER USING TRANSFORMER VOLTAGE FREQUENCY	20140133197	
VARIABLE DUTY CYCLE SWITCHING WITH IMPOSED DELAY	20130308345	
DEVICE AND METHOD FOR GLOBAL MAXIMUM POWER POINT TRACKING	20130016536	
POWER CONVERTER WITH REVERSE RECOVERY AVOIDANCE	20120155128	
SYSTEM AND METHOD FOR ESTABLISHING COMMUNICATION WITH AN ARRAY OF INVERTERS	20120089260	
APPARATUS AND METHOD FOR CONTROLLING A POWER INVERTER	20120087165	
QUADRATURE-CORRECTED FEEDFORWARD CONTROL APPARATUS AND METHOD FOR DC-AC POWER CONVERSION	20120087159	
METHOD AND APPARATUS FOR CONTROLLING AN INVERTER USING PULSE MODE CONTROL	20120087158	
POWER CONVERTER WITH REVERSE RECOVERY AVOIDANCE	20110211379	
POWER INVERTER DOCKING SYSTEM FOR PHOTOVOLTAIC MODULES	20110083733	
ENERGY RECOVERY CIRCUIT	20110062935	
COMMUNICATION WITHIN A POWER INVERTER USING TRANSFORMER VOLTAGE FREQUENCY	20120008348	01/12/2012
	12832199	07/08/2010
INVERTER ARRAY WITH LOCALIZED INVERTER CONTROL	20120134186	05/31/2012
	13030118	02/17/2011
DISTRIBUTED ENERGY CONVERSION SYSTEMS	20090160259	06/25/2009
	12340715	12/20/2008
ENERGY CONVERSION SYSTEMS WITH POWER CONTROL	20100157632	06/24/2010
	12368987	02/10/2009
ENERGY CONVERSION SYSTEMS WITH POWER CONTROL	20100157638	06/24/2010
	12368990	02/10/2009
DIGITAL SIGNAL PROCESSING SYSTEMS	20110055445	03/03/2011
	12724376	03/15/2010
FUNCTION GENERATOR	20110055303	03/03/2011
	12724384	03/15/2010

POWER POINT TRACKING	20110160930	06/30/2011
	12972398	12/17/2010
INVERTER ARRAY CONTROL	20120134189	05/31/2012
	12955894	11/29/2010
VARIABLE DUTY CYCLE SWITCHING WITH IMPOSED DELAY	20110222326	09/15/2011
	12960208	12/03/2010
SUPPLY VOLTAGE AUTO-SENSING	20120242322	09/27/2012
	13052358	03/21/2011
METHOD AND SYSTEM FOR CONTROLLING A MULTI-STAGE POWER INVERTER	20110261601	10/27/2011
	13095179	04/27/2011
MULTI-STAGE POWER INVERTER	20120275196	11/01/2012
	13095190	04/27/2011
POWER CONVERTER BUS CONTROL	20120320641	12/20/2012
	13162532	06/16/2011
MODULAR PHOTOVOLTAIC POWER SUPPLY ASSEMBLY	20110267855	11/03/2011
	13180168	07/11/2011
ELECTRICAL INSULATOR CASING	20130094151	04/18/2013
	13292251	11/09/2011
METHOD AND APPARATUS FOR CONTROLLING AN INVERTER USING PULSE MODE CONTROL	20130094268	04/18/2013
	13647847	10/09/2012

EXHIBIT C

Trademarks

<u>Description</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
TRUEAC	85831569	01/24/2013
PANTHEON	4268662	01/01/2013
SOLARBRIDGE TECHNOLOGIES	4099385	02/14/2012
SOLARBRIDGE TECHNOLOGIES	4096512	02/07/2012
SOLARBRIDGE	4099270	02/14/2012

EXHIBIT D

Mask Works

Description

Registration/  
Application  
Number

Registration/  
Application  
Date

NONE