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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Sumco Solar Corporation	02/20/2012

RECEIVING PARTY DATA

Name:	Sumco Corporation	
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PROPERTY NUMBERS Total: 6

Property Type	Number
Application Number:	11990487
Patent Number:	7750232
Patent Number:	7682472
Patent Number:	8017862
Patent Number:	7749324
Application Number:	12007651

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PATENT

REEL: 027825 FRAME: 0076

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ATTORNEY DOCKET NUMBER:	12054-0146
NAME OF SUBMITTER:	Christopher W. Brody
Total Attachments: 3 source=12054-146 assignment1#page1.tif source=12054-146 assignment1#page2.tif source=12054-146 assignment1#page3.tif	

PATENT REEL: 027825 FRAME: 0077

ASSIGNMENT

This is an Assignment of the following rights, title and interest:

| United States of America rights, title and interest in the inventions |
| Foreign rights, title and interest in the invention |
| International Application No. ______ |
| Date of Filing: _____ |
| For which an application for a U.S. Patent was executed on _____ |
| United States Patent/Patent Application Numbers found on the attached Addendum |
| Assignor: SUMCO SOLAR CORPORATION 260-100, Funoo, Kainan-shi, Wakayama 642-0001, JAPAN

Assignee: SUMCO CORPORATION

2-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8634, JAPAN

Whereas, the above-identified Assignor is an owner of record of the Patent Applications in the attached Addendum, and;

Whereas, the above-identified Assignee is desirous of acquiring the entire right, title and interest held by Assignor in the Patent Applications in the attached Addendum;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

Assignor hereby assigns, sells and transfers its above-identified rights, title and interest in said applications as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, which may be granted or have granted for said applications, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to Assignor with respect to the filing of applications for patents or securing of patents in the United States, unto said Assignee.

And Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said applications to said Assignee, as assignee of the whole right, title and interest thereto;

And Assignor further agrees to sign and execute all necessary and lawful future documents, including applications, for filing divisions, continuations and continuations-in-part of said applications for patent, and/or, for obtaining any reissue or reissues of any Letters Patents which may be granted for the aforesaid applications, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Executed this 20th day of February, in the year 2012 **SUMCO SOLAR** CORPORATION, Assignor By: Tatsuaki MATADA Title: President SUMCO SOLAR CORPORATION _day of _ February Executed this 27th **SUMCO** Corporation, , in the year 2012 Assignee By: Title: President

SUMCO CORPORATION

ADDENDUM

U.S. Patent Application No. 11/990,487

Filing Date: August 25, 2009

U.S. Patent No. 7,750,232 Issue Date: July 6, 2010

U.S. Patent No. 7,682,472 Issue Date: March 23, 2010

U.S. Patent No. 8,017,862

Issue Date: September 13, 2011

U.S. Patent No. 7,749,324 Issue Date: July 6, 2010

U.S. Patent Application No. 12/007,651

Filing Date: January 14, 2008