

05/20/2013



MPD 05-14-13 R



103658322

To: Commissioner of Patents and Trademark

Original document or copy

1. Name of conveying party(ies):  
Yuhang Ren, Paifeng Luo, Bo Gao  
Kai Shum  
Additional names?  Yes  No

2. Name and address of receiving party(ies):  
Name: Sun Harmonics Ltd, a Chinese corporation hereafter called the "Assignee," having place of business at: 1500 Wenyi Rd. Building #3, Technology Incubation Center, Hangzhou, Zhejiang, China, 311121

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Additional names & addresses attached?  Yes  No

Execution Date: April 22, April 23, 2013

4. Application number(s) or patent number(s): Attorney Docket No.: SUNHA.P3  
If this document is being filed together with a new application, execution date of application is: May 14, 2013

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence should be mailed: Address associated with Customer No.: 28752  
Name: \_\_\_\_\_  
Internal Address: \_\_\_\_\_  
Street Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00  
 Enclosed  
 Authorized charge to Deposit Acct No 10-0100 (Lackenbach Siegel LLP)

8.  Charge any additional fees in connection with this submission to our Deposit Account No. 10-0100

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9. Statement and signature.  
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Myron Greenspan, Reg. No. 25.680

May 14, 2013

Name of Person Signing

Signature

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Total number of pages including cover sheet, attachments, and document: 431 FC:0021

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Table of Contents (Selected Documents)

Date	Code	Pages	Source	Annotation	PackageID
05-14-2013	R3.73B	4	EFSW		US 1389375602P1

**ASSIGNMENT**

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned inventor:

Full Name of Sole or First Inventor	Yuhang Ren	
Residence	1500 Wenyi Rd. Building #3, Technology Incubation Center, Hangzhou, Zhejiang, China, 311121	Citizenship: China
Mailing Address	1500 Wenyi Rd. Building #3, Technology Incubation Center, Hangzhou, Zhejiang, China, 311121	

Full Name of Sole or Second Inventor	Paifeng Luo	
Residence	1500 Wenyi Rd. Building #3, Technology Incubation Center, Hangzhou, Zhejiang, China, 311121	Citizenship: China
Mailing Address	1500 Wenyi Rd. Building #3, Technology Incubation Center, Hangzhou, Zhejiang, China, 311121	

Full Name of Sole or Fourth Inventor	Bo Gao	
Residence	1500 Wenyi Rd. Building #3, Technology Incubation Center, Hangzhou, Zhejiang, China, 311121	Citizenship: USA
Mailing Address	1500 Wenyi Rd. Building #3, Technology Incubation Center, Hangzhou, Zhejiang, China, 311121	

declare that they are citizens of the country indicated above and with residences as listed above,

Hereby sell, assign and transfer their undivided interest to Sun Harmonics Ltd, a Chinese corporation hereafter called the "Assignee," having place of business at: 1500 Wenyi Rd. Building #3, Technology Incubation Center, Hangzhou, Zhejiang, China, 311121

To his successors, assigns and legal representatives, the entire right, title and interest for the United States and worldwide, in and to any and all improvements which are described and claimed in the

  X   attached specification executed on \_\_\_\_\_,  
 \_\_\_\_\_ specification Serial No. \_\_\_\_\_, filed  
 \_\_\_\_\_ U.S. Letters Patent No. \_\_\_\_\_; issued \_\_\_\_\_,

entitled: **THE PREPARATION OF CIGS ABSORBER LAYERS USING COATED SEMICONDUCTOR NANOPARTICLE AND NANOWIRE NETWORKS**

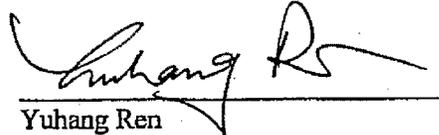
and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States or

worldwide on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States or worldwide on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

DATE 04/22/2013

  
Yuhang Ren

DATE \_\_\_\_\_

\_\_\_\_\_  
Paifeng Luo

DATE 04/22/2013

Bo Gao  
Bo Gao

worldwide on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States or worldwide on said improvements;

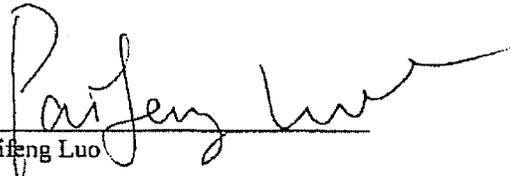
Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

DATE \_\_\_\_\_

\_\_\_\_\_  
Yuhang Ren

DATE 4/23/13

  
\_\_\_\_\_  
Pai Feng Luo

DATE \_\_\_\_\_

\_\_\_\_\_  
Bo Gao