

**Mail Stop:**

Assignment Recordation Services  
Director of the U.S. Patent  
and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RECORDATION FORM COVER SHEET**  
**PATENTS ONLY**

**U.S. DEPARTMENT OF COMMERCE**  
**Patent and Trademark Office**

Attorney Docket No. 152185

Please record the attached document.

Total number of pages including cover sheet, attachments, and document: 2

1. A. Name of conveying parties:

1. Yuko SUZUKI
2. Takahiro SUGIYAMA
3. Yasushi YOSHINO
4. Takehiro NAKAO

B. Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. A. Name and address of receiving party:

NORITAKE CO., LIMITED  
1-36, NORITAKE-SHINMACHI  
3-CHOME, NISHI-KU,  
NAGOYA-SHI, AICHI 4518501  
JAPAN

B. Additional name(s) & address(es) attached?

☐ Yes ☒ No

3. A. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

B. Execution Date: [ALL]: JANUARY 18, 2012

4. A. Patent Application No. 13/387,520

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

C. Title of Application: LEAD-FREE CONDUCTIVE COMPOUND FOR SOLAR CELL  
ELECTRODES

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: James A. Oliff

Address: **OLIFF & BERRIDGE, PLC**  
**P.O. Box 320850**  
**Alexandria, VA 22320-4850**  
**Phone Number: 703-836-6400**  
**Fax Number: 703-836-2787**

6. Total number of applications and patents involved: 1

7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$40.00.

8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.

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.*

Date: February 17, 2012

James A. Oliff, Registration No. 27,075  
Omar A. Galiano, Registration No. 65,764

CH \$40.00 150461 13387520

## ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) Yuko SUZUKI (2) Takahiro SUGIYAMA

(3) Yasushi YOSHINO (4) Takehiro NAKAO

(5) \_\_\_\_\_ (6) \_\_\_\_\_

(7) \_\_\_\_\_ (8) \_\_\_\_\_

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9) Insert Name of Assignee (9) Noritake Co., Limited

(10) Insert Address of Assignee (10) 1-36, Noritake-shinmachi 3-chome, Nishi-ku, Nagoya-shi, Aichi 4518501 Japan

(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification such as Title, Case Number, or Foreign Application Number (11) LEAD-FREE CONDUCTIVE COMPOUND FOR SOLAR CELL ELECTRODES

(Attorney Docket No. 152185)

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12) Insert Date of Signing of Application (12) on \_\_\_\_\_

(13) Alternative Identification for filed applications (13) U.S. application Serial Number 13/387,520

filed February 17, 2012

1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) Each undersigned authorizes and requests the Director of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

(DD-MM-YYYY)

Date	<u>18-01-2012</u>	Inventor Signature	<u>Yuko SUZUKI</u> (SEAL)
Date	<u>18-01-2012</u>	Inventor Signature	<u>Takahiro SUGIYAMA</u> (SEAL)
Date	<u>18-01-2012</u>	Inventor Signature	<u>Yasushi YOSHINO</u> (SEAL)
Date	<u>18-01-2012</u>	Inventor Signature	<u>Takehiro NAKAO</u> (SEAL)
Date	_____	Inventor Signature	_____ (SEAL)
Date	_____	Inventor Signature	_____ (SEAL)
Date	_____	Inventor Signature	_____ (SEAL)
Date	_____	Inventor Signature	_____ (SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date	<u>18-01-2012</u>	Witness	<u>Fuyukichi Sato</u>
Date	<u>18-01-2012</u>	Witness	<u>Kenji Inabuchi</u>

PATENT