

PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

| Name                | Execution Date |
|---------------------|----------------|
| Daniel B. Thompson  | 12/21/2010     |
| Jacob J. Richardson | 12/08/2010     |
| Ingrid Koslow       | 12/08/2010     |
| Jun Seok Ha         | 01/15/2011     |
| Frederick F. Lange  | 01/05/2011     |
| Steven P. DenBaars  | 01/03/2011     |
| Shuji Nakamura      | 12/16/2010     |

RECEIVING PARTY DATA

|                   |   |
|-------------------|---|
| Name:             | The Regents of the University of California |
| Street Address:   | 1111 Franklin Street                        |
| Internal Address: | 12th Floor                                  |
| City:             | Oakland                                     |
| State/Country:    | CALIFORNIA                                  |
| Postal Code:      | 94607                                       |

PROPERTY NUMBERS Total: 2

| Property Type       | Number    |
|---------------------|-----------|
| Application Number: | 12938948  |
| PCT Number:         | US1055293 |

CORRESPONDENCE DATA

Fax Number: (310)641-8798

*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

Phone: (310) 641-8797

Email: kyazgulian@gates-cooper.com

Correspondent Name: Gates & Cooper LLP

Address Line 1: 6701 Center Drive West

Address Line 2: Suite 1050

501415801

PATENT  
REEL: 025690 FRAME: 0376

OP \$80.00 12938948

Address Line 4: Los Angeles, CALIFORNIA 90045

ATTORNEY DOCKET NUMBER:

30794.332-US/WO-U1

NAME OF SUBMITTER:

Gerard B. Serapiglia

Total Attachments: 5

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## ASSIGNMENT

U.C. Case No. 2010-183-2

G & C Case No. 30794.332-US-U1/WO-U1

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

- |                              |                               |                          |                       |
|------------------------------|-------------------------------|--------------------------|-----------------------|
| 1. <u>Daniel B. Thompson</u> | 2. <u>Jacob J. Richardson</u> | 3. <u>Ingrid Koslow</u>  | 4. <u>Jun Seok Ha</u> |
| 5. <u>Frederick F. Lange</u> | 6. <u>Steven P. DenBaars</u>  | 7. <u>Shuji Nakamura</u> |                       |

hereby sells, assigns and transfers to ASSIGNEE, The Regents of the University of California, a California Corporation, having its statewide administrative offices located 1111 Franklin Street, 12<sup>th</sup> Floor, Oakland, California 94607, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

### **HIGH BRIGHTNESS LIGHT EMITTING DIODE COVERED BY ZINC OXIDE LAYERS ON MULTIPLE SURFACES GROWN IN LOW TEMPERATURE AQUEOUS SOLUTION**

and which is found in PCT International Application Number PCT/US2010/055293 filed November 3, 2010, and U.S. Application Number 12/938,948 filed November 3, 2010,

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof;

AND the ASSIGNOR(S) requests the Commissioner for Patents to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of the University of California.

executed this

21 day of December, 2010

\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_

\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_

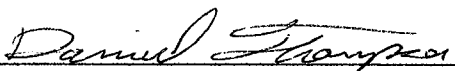
\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_

\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_

\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_

\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_

Signature of Assignor(s)

  
Daniel B. Thompson

\_\_\_\_\_  
Jacob J. Richardson

\_\_\_\_\_  
Ingrid Koslow

\_\_\_\_\_  
Jun Seok Ha

\_\_\_\_\_  
Frederick F. Lange

\_\_\_\_\_  
Steven P. DenBaars

\_\_\_\_\_  
Shuji Nakamura

AND the ASSIGNOR(S) requests the Commissioner for Patents to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of the University of California.

executed this

Signature of Assignor(s)

\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

8 day of December, 2010

8 day of December, 2010

\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

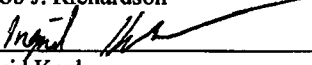
\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

3 day of January, 2011

16 day of December, 2010

\_\_\_\_\_  
Daniel B. Thompson

  
\_\_\_\_\_  
Jacob J. Richardson

  
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Ingrid Koslow

\_\_\_\_\_  
Jun Seok Ha

\_\_\_\_\_  
Frederick F. Lange

  
\_\_\_\_\_  
Steven P. DenBaars

  
\_\_\_\_\_  
Shuji Nakamura

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executed this

Signature of Assignor(s)

\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_

\_\_\_\_\_  
Daniel B. Thompson

\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_

\_\_\_\_\_  
Jacob J. Richardson

\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_

\_\_\_\_\_  
Ingrid Koslow

15 day of January, 2011

Junseok Ha  
Jun Seok Ha

\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_

\_\_\_\_\_  
Frederick F. Lange

\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_

\_\_\_\_\_  
Steven P. DenBaars

\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_

\_\_\_\_\_  
Shuji Nakamura

# ASSIGNMENT

U.C. Case No. 2010-183-2

G&C Case No. 30794.332-WO-U1/US-U1

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR, MaryAnn E. Lange, legal representative for the estate of inventor Frederick F. Lange, now deceased, hereby sells, assigns and transfers to ASSIGNEE, The Regents of the University of California, a California Corporation, having its statewide administrative offices located 1111 Franklin Street, 12<sup>th</sup> Floor, Oakland, California 94607, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

## **HIGH BRIGHTNESS LIGHT EMITTING DIODE COVERED BY ZINC OXIDE LAYERS ON MULTIPLE SURFACES GROWN IN LOW TEMPERATURE AQUEOUS SOLUTION**

and which is found in PCT International Application Number PCT/US2010/055293 filed November 3, 2010, and U.S. Application Number 12/938,948 filed November 3, 2010,

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

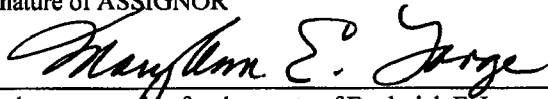
ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof;

AND ASSIGNOR requests the Commissioner for Patents to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of the University of California.

executed this

05 day of Jan, 2011  
2010

Signature of ASSIGNOR

  
Legal representative for the estate of Frederick F. Lange