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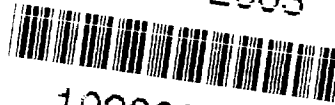
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(Rev. 10/02)

OMB No. 0651-0027 (exp. 6/30/2005)

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

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

- 1) KIM, Joo-Ho  
2) TOMINAGA, Junji

3-4-03

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

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

Execution Date: February 18, 2003

## 2. Name and address of receiving party(ies)

Name: 1) SAMSUNG JAPAN CORPORATION

Internal Address: \_\_\_\_\_

Street Address: 1) 2-31-1, Nihonbashi

Hamacho, Chuo-ku, Tokyo 103-8488,

Japan

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Additional name(s) & address(es) attached? ☒ Yes ☐ No

## 4. Application number(s) or patent number(s):

10382070

February 18, 2003

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

B. Patent No.(s)

03/11/2003 LWONDIM1 00000025 10382070

03/11/2003

40.00 DP

Additional numbers attached? ☐ Yes ☒ No

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

Name: Richard J. Streit

Internal Address: \_\_\_\_\_

Street Address: c/o Ladas &amp; Parry

224 South Michigan Avenue

City: Chicago State: IL Zip: 60604

## 6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number: \_\_\_\_\_

(Attach duplicate copy of this page if paying by deposit account)

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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.

Richard J. Streit

Name of Person Signing  
Reg. 25765

Signature

March 5, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

1033 U.S. PRO  
10/302070  
03/04/03

RECORDATION FORM COVER SHEET - PATENTS - (cont.)

j1033 U.S. PTO  
10/382070  
03/04/03

2. Name and address of receiving party(ies): (cont.)

- 2) NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND  
TECHNOLOGY LABORATORY FOR ADVANCED OPTICAL TECHNOLOGY  
1-1-1, Higashi, Tsukuba-shi, Ibaraki 305-8562, Japan

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**UNITED STATES OF AMERICA**  
**ASSIGNMENT**

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In consideration of the payment of ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for the other good and valuable consideration,

**ASSIGNOR:**

1) JOO-HO KIM and 2) JUNJI TOMINAGA  
residing at 1) Tsukuba-shi, Ibaraki, Japan and 2) Tsukuba-shi, Ibaraki, Japan

hereby sells, assigns and transfers to

**ASSIGNEE:**

- 1) SAMSUNG JAPAN CORPORATION having a place of business at:  
2-31-1, Nihonbashi Hamacho, Chuo-ku, Tokyo 103-8488, Japan
- 2) National Institute of Advanced Industrial Science and Technology Laboratory for  
Advanced Optical Technology having a place of business at:  
1-1-1, Higashi, Tsukuba-shi, Ibaraki 305-8562, Japan

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to, any and all improvements which are disclosed in the Application entitled

METHOD OF MANUFACTURING A COMPOUND SEMICONDUCTOR BY HEATING  
A LAYERED STRUCTURE INCLUDING RARE EARTH TRANSITION METAL

which application was

- ☒ (a) executed by the undersigned on February 18, 2003
- ☐ (b) filed as Serial No. \_\_\_\_\_ on \_\_\_\_\_

and, in and to all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, substitute, reissue or re-examination thereof.

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 and sale;

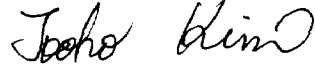
ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to

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 or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and 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.

IN WITNESS WHEREOF, I/we have set our hand and seal

February 18, 2003

Date



INVENTOR JOO-HO KIM

February 18, 2003

Date



INVENTOR JUNJI TOMIYAGA