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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

10.25.02

102268175

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

1. Name of conveying party(ies):

**Kyung-Hyun Park; Jung-ho Song; Sung-bock Kim;
Kwang-ryong Oh**

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

Name: **Electronics and Telecommunications
Research Institute**

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

☒ No ☐ Yes

Internal Address: _____

Street Address: **161 Gajeong-dong, Yusong-gu**

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

City: **Daejeon** State: _____ ZIP: _____

Country: **Rep. of Korea**

Execution Date: **10/2/02**

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

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)

10280691

Additional numbers attached? ☒ No ☐ Yes

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

Name: **Blakely, Sokoloff, Taylor & Zafman LLP**

Internal Address: _____

Street Address: **12400 Wilshire Boulevard
7th Floor**

City: **Los Angeles** State: **CA** ZIP: **90025**

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:

02-2666

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9. Statement and signature.

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

10/31/2002 TDIAZ1 00000200 10280691

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Eric S. Hyman

Name of Person Signing

Signature

Date

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

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

Docket No. 2013P059

PATENT
REEL: 013435 FRAME: 0162

ASSIGNMENT

In consideration of the receipt of good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- | | |
|----------------------------|-----------|
| (1) <u>Kyung-hyun Park</u> | (5) _____ |
| (2) <u>Jung-ho Song</u> | (6) _____ |
| (3) <u>Sung-bock Kim</u> | (7) _____ |
| (4) <u>Kwang-ryong Oh</u> | (8) _____ |

who have made a certain new and useful invention, hereby sell, assign and transfer unto
Electronics and Telecommunications Research Institute of 161 Gajeong-dong
Yusong-gu, Daejeon, Rep. of Korea

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

SEMICONDUCTOR OPTICAL DEVICES WITH DIFFERENTIAL GRATING STRUCTURING AND METHOD FOR
MANUFACTURING THE SAME

(a) for which an application for United States Letters Patent was filed on _____, and
identified by United States Serial No. _____ ;
or

(b) for which an application for United States Letters Patent was executed on _____

and the undersigned hereby authorize and request the United States Commissioner of Patent and Trademark issue any and all United States Letters Patents which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals or continuations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration in and to any improvements, and applications for patent based thereon, growing out of or related to the invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED of the dates indicated beside our signatures:

| <u>INVENTORS</u> | <u>DATE SIGNED</u> |
|--|-------------------------|
| 1) <u>Kyung-hyun Park</u> Name: Kyung-hyun Park | <u>October, 2, 2002</u> |
| 2) <u>Jung-ho Song</u> Name: Jung-ho Song | <u>October, 2, 2002</u> |
| 3) <u>Sung-bock Kim</u> Name: Sung-bock Kim | <u>October, 2, 2002</u> |
| 4) <u>Kwang-ryong Oh</u> Name: Kwang-ryong Oh | <u>October, 2, 2002</u> |