

10-29-2003

To the Honorable Commissioner of Patents and Trademarks

original documents or copy thereof.

1. Name of Conveying party(ies):
Kwang Bae KIM



102587450

Name and address of receiving party(ies)

Name: ZEN PHOTONICS CO., LTD.

Internal Address:

Street Address: 104-11 Moonji-dong,

Yusong-gu, Daejeon, 305-380, KOREA

City: State: ZIP

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

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

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name

☒ Other Corrected Recordation Form Cover Sheet Recorded on October 9, 2001 at REEL 012241 and FRAME 0472

Execution Date: September 26, 2001

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)
09/972,015

B. Patent No.(s)

Additional numbers attached: Yes ☒ No

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

Name: Bruce H. Bernstein

Internal Address: P21537

Street Address: GREENBLUM & BERNSTEIN, P.L.C.

1941 Roland Clarke Place

City: Reston State: VA ZIP: 20191

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:

19-0089

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

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.

Bruce H. Bernstein, Reg. No. 29,027

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and document: 7

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

PATENT
REEL: 014627 FRAME: 0357

10-17-2001



To the Honorable Commission

101876048

hed original documents or copy thereof.

1. Name of Conveying party(ies):
Kwang Bae KIM

10/09/01

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

2. Name and address of receiving party(ies)

Name: ZENS PHOTONICS CO., LTD.

Internal Address:

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J1050 U.S. PTO
09/27/2015
10/09/01

Street Address: 104-11 Moonji-dong.

Yusong-gu, Daejeon, 305-380, KOREA

City: State: ZIP

3. Nature of conveyance:

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

Execution Date: September 26, 2001

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

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

09/972015

If this document is being filed together with a new application, the execution date of the application is: September 26, 2001

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9. Statement and signature.

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Bruce H. Bernstein, Reg. No. 29,027

Name of Person Signing

[Signature]

Signature

10/9/01

Date

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:
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Washington, D.C. 20231

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ASSIGNMENT

WHEREAS, * Kwang Bae, KIM *, a citizen of
 * Republic of Korea *, whose post office address is
 * 101-202, Dongwon Garden, 431-6, Sajeong-dong, Joong-gu, Daejeon, 301-212, Korea *, hereinafter referred
 to as the ASSIGNOR, has invented a certain improvement relating to

* DIGITAL THERMO-OPTIC SWITCH INTEGRATED WITH VARIABLE OPTICAL ATTENUATORS

for which he has executed, on the same date as this assignment, an application for Letters Patent for the United States to be filed in the United States Patent and Trademark Office.

If this Assignment is filed after the filing date of the above-identified application, the undersigned hereby authorize and request any one of the attorneys of record in this application including Neil F. Greenblum, Reg. No. 28,394, Bruce H. Bernstein, Reg. No. 29,027, Arnold Turk, Reg. No. 33,094, James L. Roland, Reg. No. 32,674, Stephen M. Roylance, Reg. No. 31,296, Leslie J. Paperner, Reg. No. 33,329, William Pieprz, Reg. No. 33,630, and William E. Lyddane, Reg. No. 41,568, of the firm Greenblum & Bernstein, P.L.C., whose address is 1941 Roland Clarke Place, Reston, Virginia 20191, to insert here in parenthesis (Application No. Patent 2000-59604 filed October 10, 2000) the filing date and application number of said application when known.

AND WHEREAS, * ZEN PHOTONICS CO. LTD. a corporation organized and existing under the laws of * Republic of Korea *, whose post-office address is * 104-11 Moonji-dong, Yusong-gu, Daejeon, 305-380, Korea *, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues, and prolongations thereof.

NOW, THIS WITNESSETH that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt whereof is hereby acknowledged, said ASSIGNOR hereby assigns, sells and transfers to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNOR might or could have held and enjoyed the same, if this assignment had not been made.

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PAGE -2-

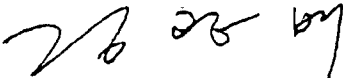
AND said ASSIGNOR hereby agrees to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNOR authorizes and requests the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed said ASSIGNOR, on the date indicated below.

Witnessed by:

September 26, 2001

Date_____
NAME Kwang Bae, KIM_____
Date