

02-14-2005

FORM PTO-1595

3-9-05



U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

To the Honorable Director of Pat

102939989

original documents or copy thereof.

1. Name of Conveying party(ies):  
ZEN PHOTONICS CO., LTD



2. Name and address of receiving party(ies)

Name: MI-HWA KIM

Internal Address:

Street Address: Hanmaul APT 106-202, Songgang-Dong,  
Yusong- Gu, Daejeon, Republic of KOREA

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

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: January 13, 2005

City: State: ZIP:

Additional names(s) and address(es) attached?  Yes  No

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)

6,728,438

Additional numbers attached:  Yes  No

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

6. Total number of applications and patents involved: 1

Name: Bruce H. Bernstein

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

Internal Address: P21520

Enclosed

Authorized to be charged to deposit account

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

8. Deposit account number:

40E

1950 Roland Clarke Place

19-0089

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

City: Reston State: VA ZIP: 20191

DO NOT USE THIS SPACE

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

*Leslie J. Paperner*

2/11/05

Name of Person Signing

Signature

Date

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

Leslie J. Paperner  
Reg. No. 33,329

Mail documents to be recorded with required cover sheet information to:  
Director of the United States Patent and Trademark Office, Mail Stop Assignments Recordation Services  
U.S. Patent and Trademark Office  
Customer Service Window  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

02/11/2005 ECOOPER 00000153 6728438

01 FC:8021

40.00 DP

PATENT  
REEL: 016237 FRAME: 0773

## ASSIGNMENT

WHEREAS, ZEN PHOTONICS CO., LTD. a corporation organized and existing under the laws of the Republic of Korea, whose post-office address is 104-11 Mooji-Dong, Yusong-Gu, Daejeon, 305-380, Republic of Korea, hereinafter referred to as the ASSIGNOR, is the owner of the entire right, title and interest for the United States in and to U.S. Letters Patent No. 6,728,438, entitled Externally Controllable Waveguide Type Higher Order Mode Generator, by means of a document recorded effective October 1, 2001, at Reel 012218, Frame 0693 of the U.S. Patent and Trademark Office assignment records.

AND WHEREAS, MI-HWA KIM, a citizen of the Republic of Korea, whose post-office address is Hanmaul APT 106-202, Songgang-Dong, Yusong-Gu, Daejeon, Republic of Korea, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States in and to said Letters Patent, 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 Letters Patent, for the United States, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said Letters Patent, 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.

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

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

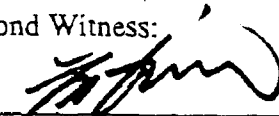
IN TESTIMONY WHEREOF, this assignment is executed on the date indicated below.

First Witness:

  
(Name) Hwang-Jong Lee

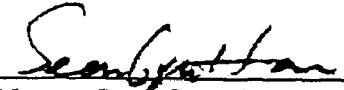
Jan 13, 2005  
(Date) Jan. 13, 2005

Second Witness:

  
(Name) Moo Yong Kim

Jan. 13, 2005  
(Date) Jan. 13, 2005

ZEN PHOTONICS CO., LTD

  
Name : Seon Gyu Han

Jan 13, 2005  
(Date) Jan. 13, 2005

Title : CEO