

10-05-2001

FORM PTO-1595  
P21513.P03



U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

To the Honorable Commissic

101866697

ached original documents or copy thereof.

1. Name of Conveying party(ies):  
Tae Kyun KIM  
Ji Hyang KIM

09/28/01

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

2. Name and address of receiving party(ies)

Name: ZEN PHOTONICS CO., LTD.

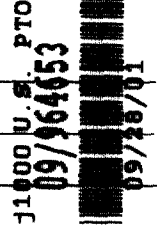
Internal Address: \_\_\_\_\_

Street Address: 104-11 Moonji-dong, Yusong-gu,

Daejeon, 305-380 KOREA

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Additional name(s) and address(es) attached? \_\_\_ Yes X No



3. Nature of conveyance:

X Assignment                      \_\_\_ Merger  
\_\_\_ Security Agreement            \_\_\_ Change of Name  
\_\_\_ Other \_\_\_\_\_

Execution Date: September 26, 2001

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

09/964653

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

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached: \_\_\_ Yes X No

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

Name: Bruce H. Bernstein

Internal Address: P21513

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

X 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)

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

Name of Person Signing

By Willi. I. Zoldan Reg. No. 41,568

Signature

9-28-01

Date

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

10/01/2001 SFELEKE1 00000110 09964653

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40.00 DP

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

PATENT  
REEL: 012213 FRAME: 0308

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**ASSIGNMENT**

WHEREAS, \* Tae Kyun, KIM \*, a citizen of  
 \* Republic of Korea \*, whose post office address is  
 \* 292-4, Jeonmin-dong, Yusong-gu, Daejeon, 305-390, Korea \*, and  
 \* Ji Hyang, KIM \*, a citizen of  
 \* Republic of Korea \*, whose post office address is  
 \* 206-1007, Kumnamu Apartment, Dunsan-dong, Seo-gu, Daejeon, 302-120, Korea \*, hereinafter referred  
 to as the ASSIGNORS, have invented a certain improvement relating to  
 FLUORINATED POLYETHERS HAVING PERFLUORINATED ALIPHATIC GROUP AND OPTICAL WAVEGUIDE USING THE SAME  
 for which they have jointly executed an application for Letters Patent of 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 10-2000-0057155, filed September 28, 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 ASSIGNORS hereby assign, sell and transfer 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 ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree 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.

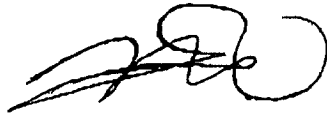
AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective dates indicated below.

Witnessed by:

September 26, 2001

Date



\*NAME\* Tae Kyun, KIM

Date

Witnessed by:

September 26, 2001

Date



\*NAME\* Ji Hyang, KIM

Date