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Patents and Trademarks Office  
File No: 10-74 US

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

1. Name of conveying Party(ies):  
Gary DUCK; Yihao CHENG;  
Jan INGENHOFF; Norbert FABRICIUS

2. Name and address of receiving party(ies)  
Name: JDS Fitel Inc.,  
and Integrierte Optik GmbH  
Street Address: 570 West Hunt Club Road  
City: Nepean, Ontario  
Country: Canada K2G 5W8

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

3. Nature of Conveyance:

Assignment  Merger  
 Security Agreement  Change of Name

And  
Street Address Bruchsaler Straße 22  
City: D-68753 Wäghausel-Kirrlach  
Country: Germany

Additional name(s) & addresses attached? Yes  No

Execution Date: November 27, 1998; November 20, 1998;  
November 18, 1998

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:  
November 27, 1998; November 20, 1998; November 18, 1998

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes  No

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

Name: Randy Lacasse  
Lacasse & Associates  
Address: 2001 Jefferson Davis Highway, Suite 806  
City: Arlington, Virginia, 22202  
Country: U.S.A.

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 sheet if paying by deposit acct)

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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.

Randy Lacasse  
Name of Person Signing

Randy Lacasse  
Signature

12/3/98  
Date

Total number of pages including cover sheet, attachments and document 5

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

PATENT  
REEL: 9629 FRAME: 0510

## ASSIGNMENT

Whereas **Gary Duck and Yihao Cheng**, citizens of **Canada**, whose full post office addresses are **6 Barcham Crescent, Nepean, Ontario, Canada K2J 3Z7** and **36 Meadowbreeze Drive, Kanata, Ontario, Canada K2M 2L6**; and **Jan Ingenhoff** and **Norbert Fabricius**, citizens of **Germany**, whose full post office addresses are **c/o Integrierte Optik GmbH, Bruchsalar Straße 22, D-68753 Waghäusel-Kirrlach, Germany** and **c/o Integrierte Optik GmbH, Bruchsalar Straße 22, D-68753 Waghäusel-Kirrlach, Germany**, respectively, have made an invention as described in the application for Letters Patent in the United States of America entitled

**COUPLING OF LIGHT INTO A MONOLITHIC WAVEGUIDE DEVICE**

filed herewith.

And WHEREAS **JDS Fitel Inc.**, whose full post office address is **570 West Hunt Club Road, Nepean, Ontario, Canada K2G 5W8**; and **Integrierte Optik GmbH**, whose full post office address is **Bruchsalar Straße 22, D-68753 Waghäusel-Kirrlach, Germany**, are desirous of acquiring the entire interest therein:

NOW, THEREFORE, in consideration of ONE DOLLAR (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we, **Gary Duck and Yihao Cheng**, by these presents do sell, assign and transfer unto **JDS Fitel Inc.**, fifty percent of our interest therein: and for the territory of the United States Of America, and all other countries, in and to the said invention:


NOW, THEREFORE, in consideration of ONE DOLLAR (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we, **Jan Ingenhoff and**

**Norbert Fabricius**, by these presents do sell, assign and transfer unto **Integrierte Optik GmbH**, fifty percent of our interest therein, for the territory of the United States Of America, and all other countries, in and to the said invention:

And we hereby request the Commissioner of Patents and Trademarks to issue said Letters Patents to **JDS Fitel Inc., and Integrierte Optik GmbH**, as assignees, each for the assigned fifty percent use and behoof of **JDS Fitel Inc., and Integrierte Optik GmbH**, and their legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by myself had this assignment and sale not been made.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.

Executed this 27 day of November, 1998.  
at Nepean, Canada.

  
\_\_\_\_\_  
Gary Duck

**Declaration by Witness**

I, Elizabeth Nowak, whose full post office address is 25 East Adams St  
Nepean say:

That I was personally present and did see **Gary Duck**, who is personally known to me, duly sign and execute the above Assignment.

  
\_\_\_\_\_  
Signature of Witness

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Executed this 20<sup>th</sup> day of Nov., 1998.

at Nepesin, Canada.

Y. Cheng  
Yihao Cheng

Declaration by Witness

I, Elizabeth Nowak, whose full post office address is 25 East Adams St  
Nepesin say:

That I was personally present and did see Yihao Cheng, who is personally known to me, duly sign and execute the above Assignment.

[Signature]  
Signature of Witness

Executed this 18 day of November, 1998.

at Waghausel, Germany

Dr. Jan Ingenhoff  
Jan Ingenhoff

Declaration by Witness

I, Wolfgang Top, whose full post office address is Am Fartholz 21  
\_\_\_\_\_ say: 76709 Kronau

That I was personally present and did see Jan Ingenhoff, who is personally known to me, duly sign and execute the above Assignment.

[Signature]  
Signature of Witness

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Executed this 18 day of November, 1998.

at Waghäusel, Germany.

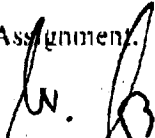
  
Norbert Fabricius

**Declaration by Witness**

I, Wolfgang Topf, whose full post office address is  
\_\_\_\_\_ say:

Am Festplatz 21  
76789 Kronach

That I was personally present and did see Norbert Fabricius, who is personally known to me, duly sign and execute the above Assignment.

  
Signature of Witness