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Patents and  
Trademarks Office  
File No: 10-315 US  
il documents or copy thereof

To the Honorable Commissioner of Patents and Tr:

101232501

1. Name of conveying Party(ies):

Paul COLBOURNE

2. Name and address of receiving party(ies)

Name: JDS Uniphase Inc.  
Street Address: 570 West Hunt Club Road  
City: Nepean  
Province: Ontario  
Country: Canada  
Postal Code: K2G 5W8

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

3. Nature of Conveyance:

Assignment  
 Security Agreement  
 Merger  
 Change of Name

Additional name(s) & addresses attached? Yes  No

Execution Date: November 30, 1999

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 30, 1999

09/461046

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: Neil Teitelbaum and Associates  
Registered Patent and Trademark Agents Limited

Street Address: 834 Colonel By Drive  
City: Ottawa  
Province: Ontario  
Postal Code: K1S 5C4  
Country: Canada

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.

Neil Teitelbaum  
Name of Person Signing

Signature

December 14, 1999  
Date

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

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

12/28/1999 TT0N11 00000082 09461046

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PATENT  
REEL: 010453 FRAME: 0543

**File No: 10-315 US**

**ASSIGNMENT**

Whereas Paul Colbourne, a citizen of Canada, whose full post office address is **45D Woodfield Drive, Nepean, Ontario Canada, K2G 3Y6**, has made an invention as described in the application for Letters Patent in the United States of America entitled

**OPTICAL SWITCHING DEVICE WITH REDUCED INSERTION LOSS**

filed herewith.

And WHEREAS **JDS Uniphase Inc.**, whose full post office address is **570 West Hunt Club Road, Nepean, Ontario, Canada K2G 5W8**, is 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, **I**, by these presents do sell, assign and transfer unto **JDS Uniphase Inc.**, the full and exclusive right, 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 Uniphase Inc.** as the assignee, for the sole use and behoof of **JDS Uniphase Inc.**, and its 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 30 day of November 1999.

at Nepean, Canada.

Paul Colbourne  
Paul Colbourne

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 **Paul Colbourne**, who is personally known to me duly sign and execute the above Assignment.

[Signature]  
Signature of Witness

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**DECLARATION FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship is as stated below next to my name, **Paul COLBOURNE**.

I believe I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

**OPTICAL SWITCHING DEVICE WITH REDUCED INSERTION LOSS**

the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of the Federal Regulations, §1.56(a).

I hereby appoint the following agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

**Neil Teitelbaum**  
**Gordon Freedman**  
at telephone number:

**Regn. No: 38,793**  
**Regn No: 41,553**  
**(613) 730-0510**

Address all correspondence to:

**Neil Teitelbaum**  
**Neil Teitelbaum & Associates**  
**834 Colonel By Drive**  
**Ottawa, Ontario**  
**Canada**  
**K1S 5C4**

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 willful 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 willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: **Paul COLBOURNE**

Inventor's signature: *Paul Colbourne* Date: *Nov. 30, 1999*

Residence: **45D Woodfield Drive, Nepean, Ontario, Canada, K2G 3Y6**

Post office address: **As above.**

Citizenship: **Canadian**