1. Name of conveying Party(ies):

ATENTS ONLY

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amended original documents or copy thereof

JDS Uniphase Inc.

570 West Hunt Club Road

101259303

and address of receiving party(ies)

Nepean Ontario

Canada

K2G 5W8

Gonzalo WILLS

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

3. Nature of Conveyance:

Security Agreement

X Assignment

Merger

Change of Name

Additional name(s) & addresses attached?

6. Total number of applications and patents involved 1

Authorized to be charged to deposit account

(attach duplicate copy of this sheet if paying by deposit acct)

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

8. Deposit account number:

Yes X No

Execution Date: December 21, 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: December 21, 1999

A. Patent Application No.(s)

B. Patent No.(s)

X Enclosed

Name:

City:

Province: Country:

Postal Code:

Street Address:

Additional numbers attached? Yes X No

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

Registered Patent and Trademark Agents Limited

Street Address: 834 Colonel By Drive

Name: Neil Teitelbaum and Associates

City:

Ottawa

Province:

Ontario

Postal Code:

K1S 5C4

Country:

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Canada

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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 29 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

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PATENT REEL: 010518 FRAME: 0564

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File No: 10-319 US

ASSIGNMENT

Whereas, Gonzalo Wills, a citizen of Canada and Columbia, whose full post office

address is 124 Chambord Private, Ottawa, Ontario, Canada, KIV 0L4, has made an

invention as described in the application for Letters Patent in the United States of

America entitled

MULTI-STAGE OPTICAL ISOLATOR

filed herewith.

And WHEREAS JDS Uniphase Inc., whose full post office address is 570 West Munt

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

1

FROM: 513 738 4141

P02

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 21 day of DECEMBER 1999.

OTTAWA

Declaration by Witness

I, Elizabeth Nowak, whose full post office address is 25 East Address St

Nepeum, say:

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

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FROM: 513 739 4141

P03

RECORDED: 01/05/2000