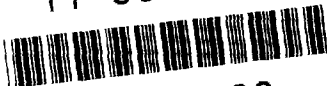


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U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

FORM PTO-

To the Honorable Commissioner:

original documents or copy thereof.

1. Name of conveying party(ies):

Brian Unitt, Michael Grant, Jeffrey Farrington and David Phillips

2. Name and address of receiving party(ies):

Name: Nortel Networks Limited

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

Street Address: World Trade Center of Montreal

380 St. Antoine Street West, 8th Floor, Montreal, Quebec H2Y 3Y4  
Canada

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

3. Nature of conveyance:

X Assignment

   Merger

   Security Agreement

   Change of Name

   Other \_\_\_\_\_

Additional name(s) & address(es) attached?    Yes X No

Execution Date: 10/2/00, 10/2/00, 10/11/00 and 10/11/00

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)

09/584,330

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: William M. Lee, Jr.

Internal Address: Lee, Mann, Smith, McWilliams, Sweeney & Ohlson

Street Address: P.O. Box 2786

City: Chicago State: Illinois Zip: 60690-2786

6. Total number of applications and patents involved: one

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

X Enclosed

   Authorized to be charged to deposit account

8. Deposit account number:

12-0913

(Attach duplicate copy of this form 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.

William M. Lee, Jr.

Name of Person Signing

[Signature]  
Signature

October 23, 2000

Date

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

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

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Box Assignments  
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# ASSIGNMENT

## NORTEL NETWORKS LIMITED

For value received, I (we) the undersigned, whose full post office addresses is (are) adjacent my (our) name(s), hereby sell, assign and transfer to

the address of whose registered office is: **NORTEL NETWORKS LIMITED**  
World Trade Center of Montreal,  
380 St. Antoine Street West, 8th floor,  
Montreal, Quebec  
Canada H2Y 3Y4

(hereinafter called "Nortel"), its successors, assigns and legal representatives, the entire right, title and interest for all countries, including any and all priority rights, in and to certain inventions relating to

### HIGH CAPACITY PASSIVE OPTICAL NETWORK

identified in Nortel's records as 124771D and set forth in an application for letters patent of the United States of America Serial Number 09/584,330 filed on May 30<sup>th</sup> 2000,

and all rights and privileges under any and all letters patent in all countries that may be granted for said inventions, to the intent that any such patent or other intellectual property protection shall be issued to Nortel alone or to its successors, assigns or legal representatives.

I (We) undertake without charge to Nortel but at its request and expense to execute all documents, take all oaths and do all reasonable acts to enable Nortel, its successors, assigns and legal representatives to procure and maintain patent or other intellectual property protection for said inventions in any and all countries and to vest title thereto in Nortel, its successors, assigns or legal representatives.

I (We) agree that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent or the like which may be required in any country for any purpose and more particularly in proof of the irrevocable right of Nortel, its successors, assigns and legal representatives to apply for and maintain patent or other intellectual property protection for said inventions in any and all countries and to claim the benefit of any right of priority.

This Assignment does not form part of a larger transaction or series of transactions in respect of which the amount or value or aggregate amount or value of the consideration exceeds £60,000.

C. J. Pitt  
Witness Signature

C. J. PITT  
Witness Name (print)

Brian Unitt  
Brian Unitt  
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Bishops Stortford  
Herts  
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United Kingdom

Date: 02.10.00  
Assignor

☒ Additional Assignors on attached Page 2

Elizabeth Mayer  
Witness Signature

E MAYER  
Witness Name (print)

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Hertfordshire  
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United Kingdom

Date: 6/10/00  
Assignor

[Signature]  
Witness Signature

I. CZAJKOWSKI  
Witness Name (print)

[Signature]  
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Essex  
CM6 1SE  
United Kingdom

Date: 11-10-00  
Assignor

[Signature]  
Witness Signature

I CZAJKOWSKI  
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[Signature]  
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CM22 7RZ  
United Kingdom

Date: 11/10/00  
Assignor