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U.S. DEPARTMENT OF COMMERCIAL PATENT AND TRADEMARK OFFICE

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To the Honorable Commissioner of Patents

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1. Name of conveying party(ies):  
John Joseph O'Donovan, Jeff Williams, Brian Cruickshank and Lloyd Florence

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

3. Nature of conveyance:

Assignment  Merger

Security Agreement  Change of Name

Other

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

Name: Northern Telecom Limited

Internal Address:

Street Address: World Trade Center of Montreal

380 St. Antoine Street West, 8th Floor, Montreal, Quebec H2Y 3A5  
Canada

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

Execution Date: December 2, 1998, December 15, 1998, December 16, 1998 and December 15, 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: \_\_\_\_\_

A. Patent Application No. (s)

09184530

B. Patent No. (s)

Additional numbers attached:  Yes  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

Enclosed

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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

December 30, 1998

Date

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PATENT  
REEL: 9677 FRAME: 0823

**ASSIGNMENT  
NORTHERN TELECOM 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: **NORTHERN TELECOM 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

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identified in Nortel's records as ID0754 and set forth in an application for letters patent of the United States of America Serial Number \_\_\_\_\_ filed on 2 November 1998,

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.

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Witness Signature

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