
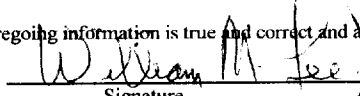
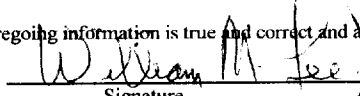
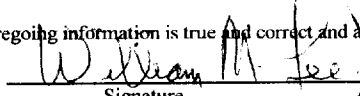


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FORM PTO-	RECORDATION PATE		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				
To the Honorable Commissioner of Patents and Trademarks		101055705	Copy thereof.				
1. Name of conveying party(ies): Leslie Derek Humphrey Additional name(s) of conveying party(ies) attached? <u>Yes</u> 3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>May 21, 1999</u>		2. Name and address of receiving party(ies): Name: <u>Northern Telecom Limited</u> Internal Address: _____ Street Address: <u>World Trade Center of Montreal</u> <u>380 St. Antoine Street West, 8th Floor, Montreal, Quebec H2Y 3Y4</u> <u>Canada</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
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: _____ <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> A. Patent Application No.(s) <u>09/257,223</u> </td> <td style="width: 50%; vertical-align: top;"> B. Patent No.(s) _____ </td> </tr> </table> <p style="text-align: center;">Additional numbers attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>				A. Patent Application No.(s) <u>09/257,223</u>	B. Patent No.(s) _____		
A. Patent Application No.(s) <u>09/257,223</u>	B. Patent No.(s) _____						
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>William M. Lee, Jr.</u> Internal Address: <u>Lee, Mann, Smith, McWilliams, Sweeney & Ohlson</u> Street Address: <u>P.O. Box 2786</u> City: <u>Chicago</u> State: <u>Illinois</u> Zip: <u>60690-2786</u>		6. Total number of applications and patents involved: <u>one</u> 7. Total fee (37 CFR 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <u>12-0913</u> (Attach duplicate copy of this form if paying by deposit account.)					
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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. <table style="width: 100%;"> <tr> <td style="width: 30%;"> <u>William M. Lee, Jr.</u> Name of Person Signing </td> <td style="width: 30%; text-align: center;">  Signature </td> <td style="width: 20%; text-align: center;"> <u>May 27, 1999</u> Date </td> <td style="width: 20%;"> Total number of pages including cover sheet, attachments and document <u>3</u> </td> </tr> </table>				<u>William M. Lee, Jr.</u> Name of Person Signing	 Signature	<u>May 27, 1999</u> Date	Total number of pages including cover sheet, attachments and document <u>3</u>
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Mail documents to be recorded with required cover sheet information to: <p style="text-align: center;">Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231</p> <p>Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.</p>							

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PATENT
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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

ENGINEERING OPERATIONS CHANNEL PROVISION

identified in Nortel Networks' records as ID0866 Humphrey and set forth in an application for letters patent of the United States of America Serial Number 09/357723 filed on 25 Feb. 1999.

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 Networks alone or to its successors, assigns or legal representatives.

I (We) undertake without charge to Nortel Networks but at its request and expense to execute all documents, take all oaths and do all reasonable acts to enable Nortel Networks, 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 Networks, 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 Networks, 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. N. Tate
Witness Signature

Leslie Derek Humphrey
Leslie Derek Humphrey
9 The Swallows
Old Harlow
Essex CM17 OAR
United Kingdom

Date: 21/5/99
Assignor

CHRISTOPHER N. TATE
Witness Name (print)

☐ Additional Assignors on attached Page 2