

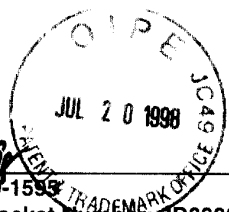
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U.S. Department of Commerce Patent and Trademark Office

FORM PTO-1593
Attorney Docket Number: 1D0993



M.P.D. 7/20/98

D/S

RECORDATION FORM COVER SHEET - PATENTS ONLY

To the Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.

1. Name of the conveying party(ies):

Leslie Derek Humphrey
Brian Michael Unitt

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

Name: **Northern Telecom Limited**
Address: **World Trade Center of Montreal**
380 St. Antoine Street West, 8th Floor
City: **Montreal**
State: **Quebec** Zip: **H2Y 3Y4** Country: **Canada**

Additional name(s) and address(es)? Yes No

Additional name(s) and address(es)? Yes No

3. Nature of Conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: **May 27, 1998**

4. Application number(s) or patent number(s):

This document is being filed together with a new application. Execution date of the application:

A. Patent Application No.(s)

09/086,116

B. Patent No.(s)

Additional numbers attached? Yes No

Additional numbers attached? Yes No

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

Name: John D. Crane
Northern Telecom
Address: Patent Department
PO Box 832130
City: Richardson
State: TX Zip: 75083-2130 Country: USA

6. Number of applications and patents involved: 1

7. Amount of fee enclosed or authorized to be charged: **\$40**

8. Deposit Account No.: **50-0210**

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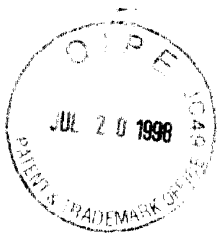
9. Statement and signature.

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.

July 14, 1998

Date

John D. Crane, Registration No. 25,231



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

NORTHERN TELECOM LIMITED
the address of whose registered office is: 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 ID0993 and set forth in an application for letters patent of the United States of America Serial Number _____ filed on _____.

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.



Witness Signature




Leslie Derek Humphrey
9 The Swallows, Harlow
Essex CM 17 0AR
United Kingdom

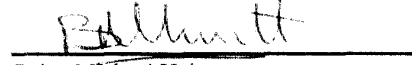
Date: 27/5/98
Assignor

5.0 - R. Y. M.

Witness Name (print)



Witness Signature



Brian Michael Unitt
2 Marshbarns
Bishop's Stortford
Hertfordshire CM23 2QM
United Kingdom

Date: 27 May 98
Assignor

5.0 - R. Y. M.

Witness Name (print)