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To the Honorable Commissioner of Patents and Trademarks

100721696

...ed original documents or copy thereof.

1. Name of conveying party(ies):

Keith Russell Edwards
Richard John Driscoll

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

Name: Northern Telecom Limited

Internal Address: World Trade Center of Montreal

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

3. Nature of conveyance:

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

Street Address: 380 St. Antoine Street West, 8th

Floor

City: Montreal, Quebec, Canada State: _____ ZIP: H2Y 3Y1

Execution Date: March 31, 1998

Additional name(s) & address(es) attached? Yes 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: March 31 and April 8, 1998

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: John D. Crane

Internal Address: _____

Street Address: Northern Telecom - Patent Department

PO Box 832130

City: Richardson State: TX ZIP: 75083-2130

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40E

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

50-0210

(Attach duplicate copy of this page 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.

John D. Crane

Name of Person Signing

John D. Crane
Signature

May 19, 1998

Date

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

Mail documents to be recorded with required cover sheet information to:
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Washington, D.C. 20231

(Form PTO--1595--Recordation Form Cover Sheet - page 1 of 3)

PATENT
REEL: 9183 FRAME: 0683

05/28/1998 TT0111

01 FC:581

523 U.S.
09/08/1004
05/19/98

**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

Data Network Accelerated Access System

[identified in Nortel's records as ID0883 and] set forth in an application for letters patent of the United Kingdom executed concurrently herewith,

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.

Richard Burrows
Witness Signature
RICHARD BURROWS
Witness Name (print)

Keith Russell Edwards Date 21st March 1998
Keith Russell Edwards Assignor
Address 10 Fox Tor Close, Paignton, Devon, TQ4 7SQ

Acknowledged Northern Telecom Limited MeD Date 8.5.98
Mark Charles Dennis
Director Patents
Authorised Signatory

Additional Assignors on attached Page 2

Clend
Witness Signature

IK LAND
Witness Name (print)

R. J. Driscoll Date 31 March 1998
Richard John Driscoll Assignor
Address 30 Gidleys Meadow, Dartington,
Totnes, Devon, TQ9 6JZ

Acknowledged Northern Telecom Limited Mark Charles Dennis Date 8-5-98

Mark Charles Dennis
Director Patents
Authorised Signatory