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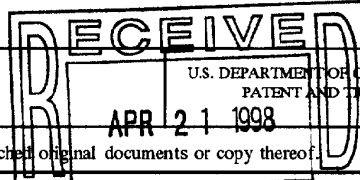
05-07-1998

FORM PTO-



100705286

HEET



U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK
OFFICE

APR 21 1998

ord the attached original documents or copy thereof.

To the Honorable

1. Name of conveying party(ies):
Pradip Sheth

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: March 10, 1998

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 3Y4
Canada

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: _____

A. Patent Application No.(s)

09/011,911

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

Authorized to be charged to deposit account

8. Deposit account number:

12-0913

(Attach duplicate copy of this form if paying by deposit account.)

05/05/1998 JMWDAZZ 00000008 09011911

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40.00 OP

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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.

William M. Lee, Jr.
Name of Person Signing

William M. Lee, Jr.
Signature

April 17, 1998
Date

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

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

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

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.

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

CELLULAR COMMUNICATIONS SYSTEM

identified in Nortel's records as Shannon 4 US and set forth in an application for letters patent of the United States of America Serial Number 09/011,911 filed on February 13, 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.

L. Dorak
Witness Signature

John Parker Shannon
John Parker Shannon
R No. 1, 3195 Barlow Crescent
Dunrobin, Ontario, KOA 1T0, Canada

Date: 1998 Feb 26
Assignor

Linda Teroba
Witness Name (print)

Acknowledged Northern Telecom Limited

Mark Charles Dennis
Mark Charles Dennis
Director Patents
Authorised Signatory

Date: _____

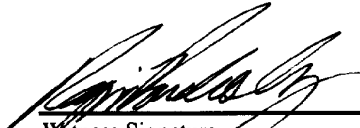
Additional Assignors on attached Page 2

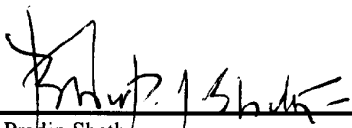
Witness Signature

John Paul Prokopenko
Stittsville, 81 Beechfern Drive
Ontario, K25 1E3, Canada

Date:
Assignor

Witness Name (print)


Witness Signature
UPON SIGNATURE OF P. PRADIP SHETH 0160.
WITNESS UNIT


Pradip Sheth
D'Auvergne,
Candiac, 16 Place D'Auvergne
Quebec, J5R 5R2, Canada
LANDIAC

Date: March 10, '98
Assignor

Witness Name (print)

Witness Signature

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Witness Signature

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Witness Signature

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Witness Signature

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Assignor

Witness Name (print)

Patrick Diamond

Witness Signature

PATRICK DIAMOND

Witness Name (print)

L.M.S. Simpson

Lawrence Simpson
8 Pelham Court, The Crescent,
Maidenhead, Berks. SL6 7AH

Date:
Assignor

16 FEB 1998