

07-24-1998

FORM PTO-1595

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HEET

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OMB No. 065-0011 (exp. 4/94)

100774629

To the Honourable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

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1. Name of conveying party(ies): MRD 7-15-98

RICK HUANG and BARRY WILLIAMS

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

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

Name: NORTHERN TELECOM LIMITED

Internal Address: _____

Street Address: P.O. Box 6123, Station A

City: Montreal State: Quebec Country: Canada

Postal Code: H3C 3J5

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

3. Nature of conveyance:

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

Execution Date: July 10, 1998 and July 13, 1998,
_____ respectively

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: July 10, 1998
_____ and July 13, 1998, respectively

The Title of Invention is: METHOD AND DEVICE FOR NETWORK MANAGEMENT

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: SMART & BIGGAR

Internal Address: Attention: Matthew Zischka

Street Address: 438 University Avenue

Suite 1500, Box 111

City: Toronto Province: Ontario ZIP: M5G 2K8

Country: CANADA Attorney Docket No. 91436-92

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:

19-2548

(Attached 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.

Matthew Zischka

Name of Person Signing
Reg. No. 41,575

[Signature]
Signature

July 14, 1998

Date

Total number of pages including cover sheet, attachments, and document: 2

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20514

TEL: 9324 FRAME: 0773

ASSIGNMENT
NORTHERN TELECOM LIMITED

For value received, we the undersigned, whose full post office addresses are adjacent our names, hereby sell, assign and transfer to:

NORTHERN TELECOM LIMITED

whose post office address is: P.O. Box 6123, Station A, Montreal,
Quebec, Canada H3C 3J5

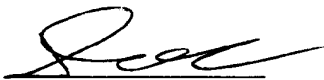
its successors, assigns and legal representatives, the entire right, title and interest, including priority rights, for all countries, in and to certain inventions relating to:

METHOD AND DEVICE FOR NETWORK MANAGEMENT

set forth in an application for letters patent of the UNITED STATES OF AMERICA

executed concurrently herewith,

and all rights and privileges under any and all letters patent that may be granted for said inventions.



Witness Signature

Dave Wicklund

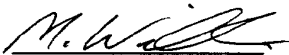
Witness Name (print)



Rick Huang

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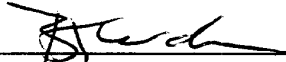
Date July 10, 1998
Assignor



Witness Signature

Mack Williams

Witness Name (print)



Barry Williams

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Stittsville, Ontario, Canada
K2S 1H8

Date July 13, 1998
Assignor