

08-22-2002

FORM PTO-



U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

To the Honorable Commissione.

102197859

and original documents or copy thereof.

1. Name of conveying party(ies):
Bassam M. Hashem, Koon Hoon Teo, David G. Steer and Daniel Boudreau

8-19-02

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

3. Nature of conveyance:

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

Execution Date: May 21, 2002

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

Name: Nortel Networks Limited
 Internal Address: _____
 Street Address: 2351 Boulevard Alfred-Nobel, St. Laurent, Quebec
Canada, H4S 2A9

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)

10/131,911

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

- 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.)

08/21/2002 DBYRNE 00000232 10131911

01 FC 581 40.00 DP

DO NOT USE THIS SPACE

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
Signature

August 13, 2002
Date

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

Do not detach this portion

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.

FOR VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, I (we) the undersigned, whose full post office address(es) is(are) listed below my (our) name(s), do hereby sell, assign and transfer to:

NORTEL NETWORKS LIMITED

(hereinafter "Nortel"), its successors, assigns and legal representatives, whose full post office address is:

2351 Boulevard Alfred-Nobel
St. Laurent, Quebec
Canada, H4S 2A9

all their right, title, and interest worldwide in and to the invention relating to

Methods and apparatus for transmitting and receiving data over a communications network in the presence of interference.

as described in an application for letters patent filed concurrently herewith or filed in the US on _____ and given serial number _____, as well as all rights and privileges including priority rights arising from the aforesaid application and corresponding applications in other countries, all continuations, continuations-in-part, divisions, renewals, substitutes or reissues thereof, and all the rights and privileges under any and all letters patent that may be granted for said invention.

I (We) undertake without charges 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 any other intellectual property protection for said invention in any and all countries and to vest title thereto to Nortel, its successors assigns and legal representatives.

THE UNDERSIGNED hereby authorizes the firm of Lee, Mann, Smith, McWilliams, Sweeney & Ohlson, whose full office address is P.O. Box 2786, Chicago, Illinois 60690-2786, USA, to correct clerical errors in this Assignment or to insert any further identification or other information necessary or desirable to make this Assignment suitable for recordal in a domestic or foreign Patent Office.

John E HUDSON
68 Lower Street, Stansted
Essex CM24 8LR,UK

(Insert Date)

Witness Signature

Witness Name (Print)

[Signature]
Bassam M WASHM
2 Summer/Went Crescent
Nepean, ON, Canada K2G 6G6

May 21st, 2002
(Insert Date)

Ali Iraqi
Witness Signature

Ali Iraqi
Witness Name (Print)

[Signature]
Koon Hoon TEO
9 Northgate Street
Nepean, ON, Canada K2G6C7

May 21st, 2002
(Insert Date)

Ali Iraqi
Witness Signature

Ali Iraqi
Witness Name (Print)

David G Steer
David G. STEER
Appt. 10, Cypress Court
Nepean, ON, Canada K2H 8Z8

May 21st, 2002
(Insert Date)

Ali Iraqi
Witness Signature

Ali Iraqi
Witness Name (Print)

[Signature]
Daniel BOUDREAU
15 Helmer Street
Hull, PQ, Canada J8Y 1H3

May 21st, 2002
(Insert Date)

Ali Iraqi
Witness Signature

Ali Iraqi
Witness Name (Print)