

LIPD

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FORM PTO-1594  
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B.4.99



U.S. Department of Commerce  
Patent and Trademark Office  
Attorney Docket No. 03384.0192

101112508

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

ATTN. BOX ASSIGNMENTS

1. Name of conveying party(ies): Neeraj Gulati, Zafar Ali, Sameh A. Rabie, and Ling-Yue Hung

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

Name: Northern Telecom Limited

Internal Address:

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

City: Montreal, Quebec

State: Canada Zip Code: H3C 3J5

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 18, 1999

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:

A. Patent Application Number(s): 08/998,223

B. Patent Number(s):

Additional numbers attached?  Yes  No

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

Name: E. Robert Yoches, Esquire

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

Street Address: 1300 I Street, N.W.

City: Washington

State: DC Zip: 20005-3315

6. Total number of applications and registrations involved: 1

7. Total fee (37 CFR 3.41): \$40  
 Enclosed (Please charge deficiency to deposit account)

Authorized to be charged to deposit account

8. Deposit account number: 06-0916

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.

08/05/1999 DMSUYEN 00000234 08998223

01 FC:581

E. Robert Yoches

40.00 DP

August 4, 1999

Reg. No. 30,120

Signature

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

# 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 full 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:

### A DISTRIBUTED ARCHITECTURE AND ASSOCIATED PROTOCOLS FOR EFFICIENT QUALITY OF SERVICE-BASED ROUTE COMPUTATION

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

filed an application on December 24, 1997 (Serial No. 08/998,223); and

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

[Signature]  
Witness Signature

BIAD LU  
Witness Name (print)

Neeraj Gulati Date 5/18/99  
Neeraj GULATI Assignor  
102, 3105 Carling Avenue  
Nepean, Ontario, CANADA K2H 5A6

[Signature]  
Witness Signature

BENJAMIN NIEH  
Witness Name (print)

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[Signature] Date July 9/99  
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30 Riverbend Drive  
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Additional Assignors on attached Page 2