

06-10-1998

FORM PTO-1595 (modified)
(Rev. 6-93)



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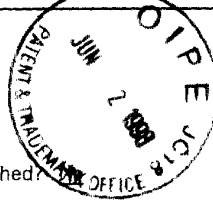
To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

MKD 6-2-98

1. Name of conveying party(ies):

Paul MERMELSTEIN

Additional name(s) of conveying party(ies) attached?



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

Name: Bell-Northern Research Ltd.

Internal Address:

Street Address: P.O. Box 3511, Station C

City: Ottawa, Ontario, State: Canada ZIP: K1Y 4H7

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

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: April 30, 1998

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)

08/883,353

B. Patent No.(s)

Additional numbers attached? No

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

Name: Brian J. McNamara

Internal Address: FOLEY & LARDNER

Street Address: 3000 K Street, N.W., Suite 500

City: Washington, State: D.C. ZIP: 20007

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. § 3.41) \$40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number: 19-0741

(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.

Brian J. McNamara
Name of Person Signing

Brian J. McNamara
Signature Reg # 32,789

June 2, 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
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Case:

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For value received, I (we) the undersigned, whose full post office address(es) is (are) adjacent my (our) name(s), hereby sell, assign and transfer to:

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whose full post office address is: P.O. Box 3511, Station C, Ottawa, Ontario,
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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:

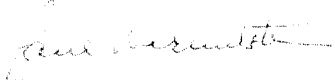
**METHOD AND APPARATUS FOR IMPROVING THE VOICE QUALITY OF
TANDEMED VOCODERS**

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

Serial No. 08/883,353, filed 26 June 1997

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


Witness Signature
M. Ferguson
Witness Name (print)


Paul MERMELSTEIN
6852 Emerson Road,
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H4W 1G5

Date Apr 30/98
Assignor

Witness Signature

Date
Assignor

Witness Name (print)

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Additional Assignors on attached Page 2