

07-09-2002

FORM PTO-

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE



To the Honorable Commission

102149553

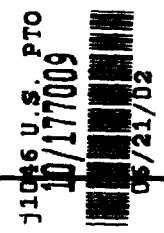
ched original documents or copy thereof.

1. Name of conveying party(ies):
 Damian Bevan *06/21/02*
 Additional name(s) of conveying party(ies) attached? Yes No

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

Execution Date: June 19, 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): *10177009*
 If this document is being filed together with a new application, the execution date of the application is: June 19, 2002

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: 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

06/27/2002 SDIRETA1 00000049 10177009
04 FC:581 40.00 DP

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.)

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. *William M. Lee* June 21, 2002
 Name of Person Signing Signature Date

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

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

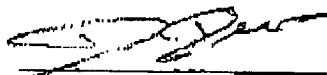
all their right, title, and interest worldwide in and to the invention relating to

Scattered Pilot and Filtering for Channel Estimation

as described in an application for letters patent filed concurrently herewith or filed in United States of America 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.

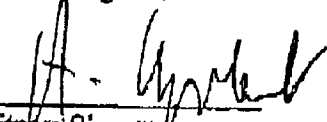
I (We) undertake without charges to Nortel but at its request and expense to execute all documents, take all oaths and do all reasonable acts to enable Nortel, its successors assigns and legal representatives to procure and maintain patent or any other intellectual property protection for said invention 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.



Damian Bevan
32 Thorley Park Road
Bishops Stortford
Hertfordshire, CM23 3NQ
United Kingdom

19 June 2002
(Insert Date)



Witness Signature

ANDREW URQUHART

Witness Name (Print)

Rev. April 1, 2002