

07-09-2002

FORM PTO-

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE



To the Honorable Commission

102149553

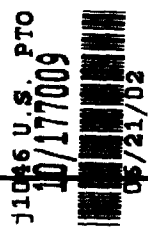
ched original documents or copy thereof.

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.)

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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.

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

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Mail documents to be recorded with required cover sheet information to:

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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

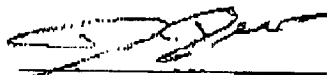
all their right, title, and interest worldwide in and to the invention relating to

**Scattered Pilot and Filtering for Channel Estimation**

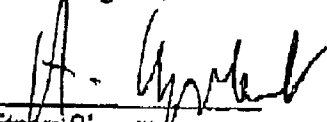
as described in an application for letters patent filed concurrently herewith or filed in United States of America on \_\_\_\_\_ and given serial number \_\_\_\_\_, as well as all rights and privileges including priority rights arising from the aforesaid application and corresponding applications in 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