

05-25-2001



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FORM PTO-1595  
(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

R

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Commissioner of Patents and Trademarks: Please refer to the attached original documents or copy thereof.

1. Name of conveying party(ies):

Martin R. Handforth, Herman Kwong and  
Richard R. Goulette

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

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

Name: Nortel Networks Limited

Address: World Trade Center of Montreal  
380 St. Antoine Street West,  
8<sup>th</sup> Floor  
Montreal, Quebec H2Y 3Y4

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Additional name(s) & address(es)  
attached? ☐ Yes ☒ No

Execution Date: May 22, 2001

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)

09/749,412

B. Patent No.(s)

Additional numbers attached? Yes ☒ No

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

Thomas E. Anderson  
Hunton & Williams  
1900 K Street, NW  
Washington DC 20006

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.... \$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

50-0206

(Attach duplicate copy of this page 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.

Kerry H. Owens

Name of Person Signing

Signature

Date: May 22, 2001

Total number of pages including cover sheet, attachments, and document: 7

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents and Trademarks, Box Assignments,  
Washington, D.C. 20231

05/23/2001 09:00:00 00000134 05749412

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Patent Application  
Attorney Docket No.: 57983.000030  
Client Reference No.: 13021ROUS01U

**ASSIGNMENT**

WHEREAS, the undersigned, to wit:

- (1) Martin R. Handforth;
- (2) Herman Kwong; and
- (3) Richard R. Goulette

(hereinafter collectively ASSIGNOR), has/have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled:

**"EMBEDDED SHIELDED STRIPLINE (ESS) STRUCTURE USING AIR CHANNELS  
WITHIN THE ESS STRUCTURE"**

- (X only one) (a) \_\_\_\_\_ which was executed concurrently herewith and is being filed herewith in the United States Patent and Trademark Office;
- (b) \_\_\_\_\_ which was executed on \_\_\_\_\_, 20\_\_\_\_, and is being filed herewith in the United States Patent and Trademark Office;
- (c) X \_\_\_\_\_ which was filed as U.S. Patent Application No. 09/749,412 on December 28, 2000;

AND WHEREAS, Nortel Networks Limited (hereinafter ASSIGNEE), a Canadian Company having its principal place of business at World Trade Center of Montreal, 380 St. Antoine Street West, 8<sup>th</sup> Floor, Montreal, Quebec H2Y 3Y4, Canada, is desirous of acquiring the entire right, title, and interest in and to said invention and any and all patents that may be obtained therefor, and in and to said application and any and all patents that may issue therefrom;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR does hereby sell, assign, transfer, and set over unto said ASSIGNEE, its successors, assigns, and legal representatives, all right, title, and interest in and to said invention throughout the world, and any and all patents of the United States and foreign countries that may be obtained therefor, and in and to said application, including any and all continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom, such right, title, and interest including the right to file applications and obtain patents, utility models, industrial models, and designs for said invention in the name of said

Patent Application  
Attorney Docket No.: 57983.000030  
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ASSIGNEE, its successors, assigns, and legal representatives, throughout the world, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, and all rights to register said invention in appropriate registries;

ASSIGNOR also does hereby covenant that it has the full right to convey the entire right, title, and interest herein assigned, and that it has not and will not execute any agreement in conflict herewith;

ASSIGNOR also does hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application, including any continuations, continuations-in-part, divisions, reissues, re-examinations, substitutions, and extensions thereof, to said ASSIGNEE, its successors, assigns, and legal representatives as the ASSIGNEE of the entire right, title, and interest herein assigned;

ASSIGNOR also does hereby agree to, at any time, upon request, without further or additional consideration but at the expense of said ASSIGNEE, its successors, assigns, or legal representatives, execute and deliver any and all papers, make all rightful oaths, and do all lawful acts that may be necessary or desirable to perfect the entire right, title, and interest herein assigned in said ASSIGNEE, its successors, assigns, and legal representatives, and generally do everything possible to vest the entire right, title, and interest herein assigned in said ASSIGNEE, its successors, assigns, and legal representatives;

ASSIGNOR also does hereby agree to, at any time, upon request, without further or additional consideration but at the expense of said ASSIGNEE, its successors, assigns, or legal representatives, execute and deliver any and all papers, make all rightful oaths, and do all lawful acts that may be necessary or desirable to make application for and obtain any and all continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, or extensions of said application, or any application on said invention, or any patent issuing therefor or therefrom;

ASSIGNOR also does hereby agree to, at any time, upon request, without further or additional consideration but at the expense of said ASSIGNEE, its successors, assigns, or legal representatives, communicate to said ASSIGNEE, its successors, assigns, and legal representatives, any known facts relating to said invention or said application or any patent issuing therefor or therefrom, and testify as to the same in any interference or

Patent Application  
Attorney Docket No.: 57983.000030  
Client Reference No.: 13021ROUS01U

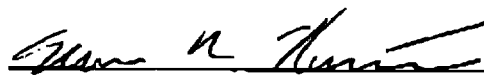
other litigation proceeding when requested to do so, and aid said ASSIGNEE, its successors, assigns, and legal representatives, in obtaining and enforcing proper protection for said invention in all countries;

ASSIGNOR also does hereby grant the firm of Hunton & Williams of 1900 K Street, N.W., Washington, D.C., 20006-1109, or its agents, the power to insert on this assignment any further information, including but not limited to application number(s) and filing date(s), which may be necessary or desirable in order to comply with any rule or request of the United States Patent and Trademark office for the purposes of recording this document.

Executed on the date(s) below indicated:

Patent Application  
 Attorney Docket No.: 57983.000030  
 Client Reference No.: 13021ROUS01U

(1) IN WITNESS WHEREOF, I have hereunto set my hand and seal  
 this 22 day of May, 2001.

  
 Name: Martin R. Handforth  
 Address: 42 Tiffany Crescent  
 Kanata, ON  
 CANADA  
 K2K 1W2

On this 22 day of May, 2001, before me  
 did personally appear the above-named Martin R Handforth personally  
 known to me and/or proved to me on the basis of satisfactory  
 evidence to be the person who signed and sealed the foregoing  
 instrument and acknowledged the same to be his or her own free  
 act and deed.

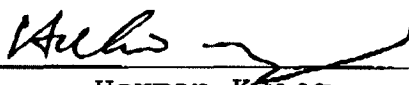
  
 Signature

ANETA WYDRYKOWSKA  
 Printed Name

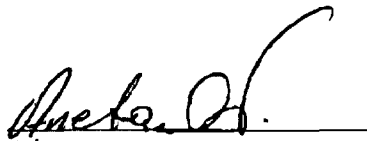
52 SHEARER CRE'S  
 Address KANATA, ONT

Patent Application  
Attorney Docket No.: 57983.000030  
Client Reference No.: 13021ROUS01U

(2) IN WITNESS WHEREOF, I have hereunto set my hand and seal  
this 22<sup>nd</sup> day of MAY, 2001.

  
Name: Herman Kwong  
Address: 15 Hewitt Way  
Kanata, ON  
CANADA  
K2L 3S2

On this 22<sup>nd</sup> day of MAY, 2001, before me  
did personally appear the above-named Herman Kwong, personally  
known to me and/or proved to me on the basis of satisfactory  
evidence to be the person who signed and sealed the foregoing  
instrument and acknowledged the same to be his or her own free  
act and deed.

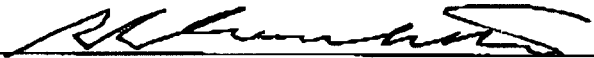
  
Signature

ANETA WYRZYKOWSKA  
Printed Name

52 SHEARER CRES  
Address KANATA, ONT

Patent Application  
Attorney Docket No.: 57983.000030  
Client Reference No.: 13021ROUS01U

(3) IN WITNESS WHEREOF, I have hereunto set my hand and seal  
this 22 day of MAY, 2001.

  
Name: Richard R. Goulette  
Address: 305 Alicia Street  
Arnprior, ON  
CANADA  
K7S 1H7

On this 22 day of May, 2001, before me  
did personally appear the above-named Richard R. Goulette personally  
known to me and/or proved to me on the basis of satisfactory  
evidence to be the person who signed and sealed the foregoing  
instrument and acknowledged the same to be his or her own free  
act and deed.

  
Signature

MIRJANA VUKOVIC  
Printed Name

1 MANOR GATE PLACE  
Address NEPEAN, K2G 8C3  
ONTARIO, CANADA