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FORM PTO-1595
(Rev. 6-93)

REC RECORDATION
OMB No. 0651-0011 (exp. 4/94) *8.30.00* PAT



DEPARTMENT OF COMMERCE
Patent and Trademark Office

101456601

... or copy thereof.

To the Commissioner of Patents and Trademarks: Please

1. Name of conveying party(ies):
Herman Kwong
Larry E. Marcanti
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,
8th Floor
Montreal, Quebec H2Y 3Y4

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

Additional name(s) & address(es)
attached? ___ Yes ___ X No

Execution Date: 8/22/00; 8/28/00

09/651188

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: 8/22/00; 8/28/00

A. Patent Application No. (s)

B. Patent No. (s)

Additional numbers attached? ___ Yes X 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

X 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.

Thomas E. Anderson
Name of Person Signing

[Signature]
Signature

August 30, 2000
Date

Total number of pages including cover sheet, attachments, and document: 6

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

U.S. PTO
09/651188
08/30/00

ASSIGNMENT

WHEREAS, the undersigned, to wit:

- (1) Herman Kwong; and
- (2) Larry E. Marcanti

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

"TECHNIQUE FOR REDUCING THE NUMBER OF LAYERS IN A MULTILAYER
CIRCUIT BOARD"

- (X only one) (a) X which was executed concurrently herewith and is being filed herewith in the United States Patent and Trademark Office;
- (b) _____ which was executed on _____, 19__, and is being filed herewith in the United States Patent and Trademark Office;
- (c) _____ which was filed as U.S. Patent Application No. _____ on _____, 20__;

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, 8th 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 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 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, NW, Washington, DC 20006 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:

(2) IN WITNESS WHEREOF, I have hereunto set my hand and seal
this 28th day of August, 2000.

L. E. Marcanti

Name: Larry E. Marcanti
Address: 16 Monroe Court
Allen, TX 75002

COMMONWEALTH/STATE OF Texas

COUNTY OF Dallas

On this 28th day of August, 2000, before me, a
Notary Public in and for the Commonwealth/State of
Texas, did personally appear the above-named
Larry E. Marcanti, personally known to me 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.

Sherry Chance-Parrish

Notary Public

My Commission Expires: 8-15-04

