

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	MERGER
EFFECTIVE DATE:	12/31/2000
CONVEYING PARTY DATA	
Name	Execution Date
PENRIL DATACOMM NETWORKS, INC.	12/19/2000
RECEIVING PARTY DATA	
Name:	NORTEL NETWORKS NA INC.
Street Address:	4401 GREAT AMERICA PARKWAY
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95052
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	5388124
CORRESPONDENCE DATA	
Fax Number:	(202)778-2201
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	2029551500
Email:	patdcdocket@hunton.com
Correspondent Name:	HUNTON & WILLIAMS
Address Line 1:	1900 K. STREET, N.W.
Address Line 2:	SUITE 1200
Address Line 4:	WASHINGTON, DISTRICT OF COLUMBIA 20006
ATTORNEY DOCKET NUMBER:	57983.000343
NAME OF SUBMITTER:	Thomas E. Anderson
Total Attachments: 4 source=18751RO - PENRIL to NNNAl#page1.tif source=18751RO - PENRIL to NNNAl#page2.tif source=18751RO - PENRIL to NNNAl#page3.tif source=18751RO - PENRIL to NNNAl#page4.tif	

CH \$40.00 5388124

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

PENRIL DATACOMM NETWORKS, INC.

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

2. Name and address of receiving party(ies)

Name: NORTEL NETWORKS NA INC.

Internal Address: _____

Street Address: 4401 Great America Parkway

City: Santa Clara

State: California

Country: USA Zip: 95052

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) December 19, 2000

- Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

5,388,124

Additional numbers attached? Yes No

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

Name: Hunton & Williams

Internal Address: Intellectual Property

Street Address: 1900 K. Street, N.W.

Suite 1200

City: Washington

State: DC Zip: 20006

Phone Number: 202-955-1500

Fax Number: 202-778-7201

Email Address: patdocket@hunton.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

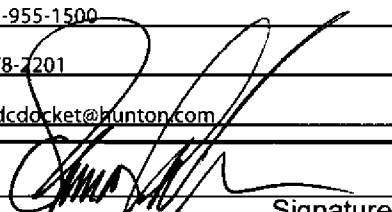
- Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 14-1315

Authorized User Name Thomas E. Anderson

9. Signature:



Signature

6/13/11

Date

THOMAS E. ANDERSON
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT
REEL: 026435 FRAME: 0022

State of Delaware
Office of the Secretary of State

PAGE 1

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"PENRIL DATACOMM NETWORKS, INC.", A DELAWARE CORPORATION, WITH AND INTO "NORTEL NETWORKS NA INC." UNDER THE NAME OF "NORTEL NETWORKS NA INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE EIGHTEENTH DAY OF DECEMBER, A.D. 2000, AT 2 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2000, AT 11:58 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



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001634084

Handwritten signature of Edward J. Freel in cursive.

Edward J. Freel, Secretary of State

AUTHENTICATION: 0863256

DATE: 12-19-00

PATENT
REEL: 026435 FRAME: 0023

CERTIFICATE OF OWNERSHIP and MERGER (DELAWARE)

merging

PENRIL DATACOMM NETWORKS, INC.

into

NORTEL NETWORKS NA INC.

Nortel Networks NA Inc., a corporation organized and existing under the laws of Delaware ("Corporation"), does hereby certify that:

FIRST: As of the Effective Time, the Corporation owns all of the outstanding shares of stock of Penril DataComm Networks, Inc., a corporation organized and existing under the laws of Delaware ("Penril");

SECOND: The laws of Delaware permit a corporation organized and existing under the laws of Delaware to merge with another corporation organized and existing under the laws of Delaware;

THIRD: The Corporation, under its Certificate of Incorporation, shall be the surviving corporation of the merger;

FOURTH: The Corporation, by the following resolutions of its Board of Directors, duly adopted by unanimous written consent executed as of the 13th day of December, 2000 and filed with the minutes of the Board of Directors, determined to merge Penril into itself, effective as of the date set forth in such resolutions:

RESOLVED, That each of the following corporations is a wholly-owned subsidiary of the Corporation (a "Subsidiary"):

<u>Name of Corporation</u>	<u>State of Incorporation</u>
Penril DataComm Networks, Inc.	Delaware
Nortel Networks USA Inc.	Delaware
Phase 2 Networks, Inc.	Delaware

and the merger of each of Penril DataComm Networks, Inc. (formerly known as Penril Data Communications, Inc. and Penril Corp.), Nortel Networks USA Inc. (formerly known as Bay Networks USA, Inc.) and Phase 2 Networks, Inc. with and into the Corporation, in accordance with the requirements of Section 253 of the General Corporation Law of Delaware, is hereby approved, and upon the effective date and time of such mergers as specified herein ("Effective Time"), the separate existence of each Subsidiary shall cease and all of its issued and outstanding stock shall be cancelled; and the Corporation, under its Certificate of Incorporation and Bylaws and with its officers and directors, shall continue as the surviving corporation, and shall succeed to all the properties, rights and other assets of each Subsidiary, and shall assume and be subject to all of the liabilities of each Subsidiary, without further action by either corporation;

FURTHER RESOLVED, That each of the officers of the Corporation is hereby authorized in the name and on behalf of the

Corporation to execute, certify, deliver, publish and file or record a plan of merger, articles of merger, a certificate of ownership and merger, and/or any other documents, notices or instruments, to pay all expenses and to cause to be taken any and all such other actions that in the judgment of any such officer may be necessary or proper to accomplish the merger of each Subsidiary with and into the Corporation;

FURTHER RESOLVED, That, at any time prior to the time that such Agreement of Merger (or a certificate in lieu thereof) filed with the Secretary of State of Delaware becomes effective in accordance with Section 103 of the General Corporation Law of Delaware, such agreement or certificate may be terminated or amended by the Board of Directors of either the Corporation or the applicable Subsidiary; and

FURTHER RESOLVED, That the Effective Time shall be at 11:58 p.m. Eastern Time on December 31, 2000, or such later time as shall be designated by the Secretary or Assistant Secretary of the Corporation; and

FURTHER RESOLVED, That each of the officers of the Corporation, acting singly, is authorized hereby to take all actions and to execute, or cause to be executed, by one or more employees of the Corporation, Nortel Networks Corporation ("NNC") and/or any corporation, partnership or other entity with respect to which NNC has a direct or indirect ownership interest ("NNC Affiliate") to whom an officer of the Corporation has granted an appropriate power of attorney, all such agreements, instruments and/or documents, and to take all other actions as such officer may consider necessary or desirable in order to effect the foregoing resolutions, that the taking of any such action or the execution of any agreement, instrument or document by any of the persons described in the foregoing resolutions shall conclusively evidence the making of any determinations and the granting of any approvals required under such resolutions; and that all actions taken or caused to be taken by any officer of the Corporation, NNC or an NNC Affiliate prior to the date hereof in order to effect the matters described in the foregoing resolutions are hereby ratified and approved.

IN WITNESS WHEREOF, the Corporation has caused this Certificate to be signed by Doreen DiMento Farthing, its Assistant Secretary, this 13th day of December, 2000.

NORTEL NETWORKS NA INC.

By Doreen DiMento Farthing
Doreen DiMento Farthing
Assistant Secretary