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Substitute Form PTO-1595
Attorney Docket No.: 10360-064001
Client's Ref. No.: BA0484

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Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): Yin Pan, Al Villarica and Eric Edwards Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): NORTEL NETWORKS LIMITED World Trade Center of Montreal 380 St. Antoine Street West, 8th Flr. Montreal, Quebec H2Y 3Y4 CANADA Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: Yin Pan, 12/13/00; Al Villarica, 12/12/00; Eric Edwards, 12/12/00	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): 09/672,114 B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: DENIS G. MALONEY Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>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.</i>	
Paul A. Pysher Reg. No. 40,780 Name of Person Signing	 Signature December 18, 2001 Date
Total number of pages including coversheet, attachments and document: 4	

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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner of Patents, Washington, D.C. 20231.

December 18, 2000
Date of Deposit
SignatureDenise M. Bronsdon
Typed Name of Person Signing CertificatePATENT
REEL: 011388 FRAME: 0945

ASSIGNMENT

For valuable consideration, we, Yin Pan of Webster, NY, Al Villarica of Fairport, NY, and Eric Edwards of West Henrietta, NY, hereby assign to Nortel Networks Limited, a Canadian corporation having a place of business at: World Trade Center of Montreal, 380 St. Antoine Street West, 8th Flr., Montreal, Quebec H2Y 3Y4, Canada, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled STORING DATA USING A SEGMENT TREE DATA STRUCTURE, filed on September 27, 2000 and assigned U.S. Serial No. 09/672,114; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Rochester, NY,
this 13 day of Dec., 2000 Yin Pan L.S.
YIN PAN

State of New York :
County of Warren : ss.

Before me this 13th day of December, 2000, personally appeared YIN PAN
known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged
that he executed the same as his free act and deed for the purposes therein contained.

[Notary's Seal Here]

Janet S. Edwards
Notary Public
My Commission Expires: 07/31/01
JANET S. EDWARDS
NOTARY PUBLIC, State of N.Y., Warren County
Commission Expires: 7/31/01

IN WITNESS WHEREOF, I hereto set my hand and seal at Rochester, NY,
this 12th day of December, 2000 Al Villarica L.S.
AL VILLARICA

State of New York :
County of Warren : ss.

Before me this 12th day of December, 2000, personally appeared AL VILLARICA
known to me to be the person whose name is subscribed to the foregoing Assignment and
acknowledged that he executed the same as his free act and deed for the purposes therein contained.

[Notary's Seal Here]

Janet S. Edwards
Notary Public
My Commission Expires: 07/31/01
JANET S. EDWARDS
NOTARY PUBLIC, State of N.Y., Warren County
Commission Expires: 7/31/01

IN WITNESS WHEREOF, I hereto set my hand and seal at Rochester, NY,
this 12th day of December, 2000
ERIC EDWARDS L.S.

State of New York :
County of Monroe : ss.

Before me this 12th day of December, 2000, personally appeared ERIC EDWARDS known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Janet S. Edwards
Notary Public
My Commission Expires: 7/31/01

[Notary's Seal Here]

JANET S. EDWARDS
NOTARY PUBLIC, STATE OF NY, Monroe County
Commission Expires 7/31/01

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