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HEET

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office



101552427

Tab settings

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

Robert P. Macaulay
Milos Vodsedalek
Brian B. Egan

UMD 11/28/00

Additional names(s) of conveying party(ies)

Yes No

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

City: Montreal

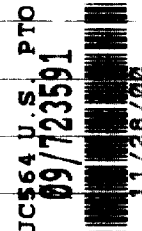
State/Prov.: Quebec

Country: Canada

ZIP: H2Y 3Y4

Additional name(s) & address(es)

Yes No



3. Nature of conveyance:

Assignment

Merger

Security Agreement

Change of Name

Other

Execution Date: November 28, 2000

4. Application number(s) or registration numbers(s)

09/723591

If this document is being filed together with a new application, the execution date of the application is: November 28, 2000

Patent Application No.

Filing date

B. Patent No.(s)

Additional numbers

Yes No

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

Name: Dan C. Hu

Registration No. 40,025

Address: Trop, Pruner & Hu, P.C.

8554 Katy Freeway, Suite 100

City: Houston

State/Prov.: TX

Country: USA

ZIP: 77024

12/14/2000 MTHAT1 00000233 05723591

6. Total number of applications and patents involved

1

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

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number:

20-1504 (NORC-0008-US)

01 FC:581

40.00 GP

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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.

Dan C. Hu

Name of Person Signing

Signature

11/28/00

Date

Total number of pages including cover sheet, attachments, and

PATENT

ASSIGNMENT

WHEREAS, the undersigned inventor, hereinafter called the "Assignor", has invented a new and useful invention entitled:

METHOD AND APPARATUS FOR CLONING TERMINALS IN A COMMUNICATIONS NETWORK

For which reference a full description is here made in an application for Letters Patent of the United States executed of even date herewith.

WHEREAS, NORTEL NETWORKS LIMITED, a Canadian company having a principal office and place of business at, World Trade Center of Montreal, 380 St. Antoine Street West, 8th floor, Montreal, Quebec H2Y 3Y4, Canada hereinafter called the "Assignee", is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under Letters Patent which may be obtained for said invention, as hereinafter more fully set forth;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby acknowledge my prior existing obligation and hereby sell, assign, and transfer to Assignee its successors and assigns, the entire right, title, and interest in the application and invention therein disclosed for the United States and foreign countries, to and under the said improvements, and the said application and all provisional, divisional, substitution, continuation applications thereof, and all Letters Patent of the United States which may be granted thereof and all renewals, reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all renewals, reissues and extensions thereof; and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the Assignee, its successors and assigns; and we hereby agree that the Assignee may apply for foreign Letters Patent on the invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by the Assignee.

FURTHER, the Assignor does hereby covenant and agree, for himself and his legal representatives, that they will assist the Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that the Assignee may elect to make covering the invention herein identified, as herein before set forth, including any application for reissue, application for reexamination, application for foreign patent rights, or any proceeding in the United States Patent and Trademark Office affecting the invention, investing in the Assignee exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patents herein contemplated; that they will promptly execute and deliver to the Assignee any and all additional papers and make all lawful oaths which may be requested by the Assignee to

fully carry out the terms of this assignment; and further that they will communicate to Assignee, or to its successors, assigns, and legal representatives, any facts known respecting said invention, and at the expense of the Assignee, testify in any legal proceedings, and generally do everything possible to aid the Assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

And the Commissioner for Patents is hereby authorized and requested to issue all Letters Patent to the Assignee in accordance with the terms of the assignment.

IN TESTIMONY WHEREOF, the Assignor has hereunto set his hands on the date indicated below.

Dated: November 22, 2000

R. Macaulay
Inventor Signature

Inventor Name: Robert P. Macaulay
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K1X1H3

Dated: November 28, 2000

[Signature]
Witness Signature

Witness Name: RAYMOND DAVIS
Residence Address: 48 BIRCHFIELD AVE
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Dated: Nov 28th 2000

Brian Egan
Inventor Signature


Inventor Name: Brian B. Egan
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Dated: November 28, 2000

[Signature]
Witness Signature

Witness Name: RAYMOND DAVIS
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Inventor Signature

Inventor Name: Milos Vodsedalek
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Dated: November 28, 2000


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