

RECORDATION FORM COVER SHEET

4/7/03

04-07-2003

TO THE ASSISTANT COMMISSIONER FOR

documents or copy thereof.

Name of conveying party(ies): (If multiple: numerically)



Name of receiving party(ies):

102410507

- 1.) Alain Hamel
- 2.) HaiFeng Ping

Name: REALNETWORKS, INC.
 Internal Address:
 2601 Elliot Avenue, Suite 1000
 Seattle, Washington 98121

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

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

3. Nature of conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other:

4. Application number(s) or Patent number(s):

- Application(s) filed herewith Execution Date(s):
- Patent Application No.: 10/354,439
Filing Date: January 29, 2003
- Patent No.:
Issue Date:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1. above) 1.) March 27, 2003 2.) March 11, 2003

Additional numbers attached? () Yes (X) No

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

Name: Michael S. Okamoto
 KNOBBE, MARTENS, OLSON & BEAR, LLP
 Customer No. 20,995
 Internal Address: Fourteenth Floor
 Street Address: 2040 Main Street
 City: Irvine State: CA ZIP: 92614
 Attorney's Docket No.: REALNET.183A

7. Total fee (37 CFR 1.21(h)): \$40

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

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.

Michael S. Okamoto
Name of Person Signing

Michael Okamoto
Signature

April 4, 2003
Date

47,831
Registration No.

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:

04/08/2003 DBYRNE 00000070 10354439

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40.00 DP

U.S. Patent and Trademark Office
 Attn: Assignment Division
 Crystal Gateway-4
 1213 Jefferson Davis Highway, Suite 320
 Arlington, VA 22202

1. \DOCS\MISO\MISO-4179.DOC
0. 0303

Application No.: 10/354,439
Filing Date: January 29, 2003

ASSIGNMENT

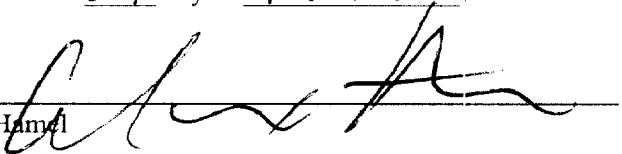
WHEREAS, We, Alain Hamel, a Canadian citizen, residing at 13450 456th Place SE, North Bend, Washington 98045 and HaiFeng Ping, a Chinese citizen, residing at 5907 Oberland Place NW, Issaquah, Washington 98027, have invented certain new and useful improvements in a **SYSTEMS AND METHODS FOR SELECTING BUFFERING TIME FOR MEDIA DATA** for which we have filed an application for Letters Patent in the United States, with Application No. 10/354,439, filed on January 29, 2003;

AND WHEREAS, REALNETWORKS, INC. (hereinafter "ASSIGNEE"), a Washington Corporation, with its principal place of business at 2601 Elliot Avenue, Suite 1000, Seattle Washington 98121, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all 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 extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27th day of March, 2003.

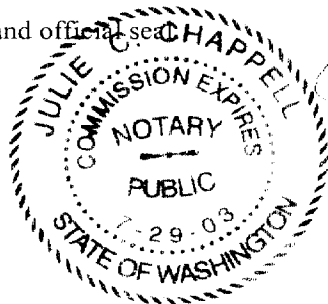
Alain Hamel


STATE OF WA }
COUNTY OF KING } ss.

On March 27, 2003, before me, Julie C. Chappell, personally appeared Alain Hamel personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

[SEAL]



Julie C. Chappell
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 11th day of March, 2003.

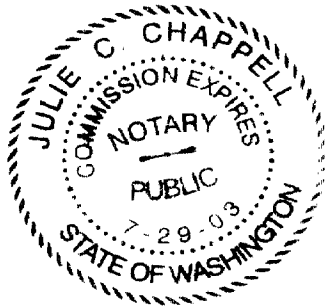
HaiFeng Ping
HaiFeng Ping

STATE OF WA }
COUNTY OF KING } ss.

On March 11, 2003, before me, Julie C. Chappell, personally appeared HaiFeng Ping personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Julie C. Chappell
Notary Signature

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