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U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office



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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)**

Minghua Chen  
Aviden Zakhor

**2. Name and address of receiving party(ies)**

Name: TruVideo

Internal Address: \_\_\_\_\_

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

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

Execution Date(s) May 27, 2005

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

Street Address: 936 Creston Road

City: Berkeley

State: California

Country: USA Zip: 94708

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

**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)

Additional numbers attached?  Yes  No

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

Name: James D. Ivey

Internal Address: Ivey, Smith and Ramirez

Street Address: 3025 Totterdell Street

City: Oakland

State: California Zip: 94611

Phone Number: (510) 336-1100

Fax Number: (510) 336-1111

Email Address: james.ivey@isrlaw.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 by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

Signature

June 7, 2005

Date

James D. Ivey

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 (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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( 40.00 DP )

**PATENT**  
**REEL: 016685 FRAME: 0896**

ASSIGNMENT

WHEREAS, Minghua Chen of Albany, California and Avidah Zakhor of Berkeley, California, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled OPTIMIZATION OF STREAMING DATA THROUGHPUT IN UNRELIABLE NETWORKS, for a full description of which reference is here made to an application for Letters Patent of the United States which will be filed on May 27, 2005, and assigned Attorney Docket No. P-2333;

WHEREAS, TruVideo, a corporation organized and existing under the laws of the State of California, having a place of business at 936 Creston Road, Berkeley, California 94708, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

ASSIGNMENT

IN TESTIMONY WHEREOF, the Assignors have executed this Agreement.

DATED: 05/27/2005

Minghua Chen  
Minghua Chen

DATED: 5/27/2005

Avideh Zakhor  
Avideh Zakhor

STATE OF CALIFORNIA     )  
                                  ) ss.  
COUNTY OF ALAMEDA    )

I, Michael W. Corbett, a Notary Public in and for the County and State aforesaid, do hereby certify that Minghua Chen, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 27 day of MAY, 2005.

(SEAL) 

Michael W. Corbett  
Notary Public

My Commission Expires: 12-24-06

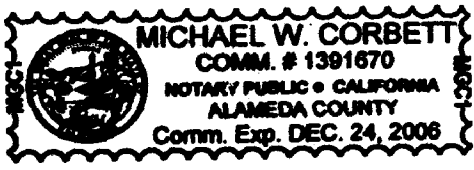
ASSIGNMENT

STATE OF CALIFORNIA )  
 )  
COUNTY OF ALAMEDA ) ss.

I, Michael W. Corbett, a Notary Public in and for the County and State aforesaid, do hereby certify that Avidah Zakhor, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this  
27 day of MAY, 2003.

(SEAL)



*Michael W. Corbett*  
\_\_\_\_\_  
Notary Public

My Commission Expires: 12-24-06