

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Shaohua Yang	05/27/2009
Yuan Xing Lee	05/27/2009
Changyou Xu	05/27/2009
Richard Rauschmayer	06/17/2009
Harley Burger	05/27/2009
Kapil Gaba	05/27/2009

**RECEIVING PARTY DATA**

Name:	LSI Corporation
Street Address:	1621 Barber Lane
City:	Milpitas
State/Country:	CALIFORNIA
Postal Code:	95035

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	12487638

**CORRESPONDENCE DATA**

Fax Number: (303)265-9600  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: 720-266-4728  
 Email: dhamilton@hdciplaw.com  
 Correspondent Name: Hamilton, DeSanctis & Cha (LSI)  
 Address Line 1: 8601 W. CROSS DRIVE  
 Address Line 2: F5-301  
 Address Line 4: LITTLETON, COLORADO 80123

ATTORNEY DOCKET NUMBER:	AGERE-010900
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OP \$40.00 12487638

NAME OF SUBMITTER:

Douglas M. Hamilton

**Total Attachments: 7**

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## ASSIGNMENT AGREEMENT

I, **Shaohua Yang** of Santa Clara, California; **Yuan Xing Lee** of San Jose, California; **Changyou Xu** of Fremont, California; **Richard Rauschmayer** of Longmont, Colorado; **Harley Burger** of San Jose, California; and **Kapil Gaba** of Fremont, California, hereby declare that I am a joint inventor of the inventions related to:

**Systems and Methods for Codec Usage Control During Storage Pre-read**

as described in an application for Letters Patent of the United States of America filed on \_\_\_\_\_ and assigned Serial No. \_\_\_\_ / \_\_\_\_\_, or if not identified here by filing date and Serial number, executed by me on even date with my execution of this Assignment Agreement.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I hereby sell, assign and transfer to **LSI Corporation**, a corporation of the State of Delaware, having an office at 1621 Barber Lane, Milpitas, CA 95035, United States of America, and its successors, assigns and legal representatives (collectively "Assignee"), my entire right, title and interest, for the United States and all foreign countries, in and to the inventions and all the rights and privileges under any and all Letters Patent that may be granted therefore, including any divisionals, continuations, reissues and extensions thereof.

I agree that when requested I will, without charge to Assignee but at its expense, sign all papers,, take all rightful oaths, make all rightful declarations and do all acts which may be necessary,, desirable or convenient for securing and maintaining patents or other forms of protection for the inventions in any and all countries and for vesting title thereto in Assignee.

I agree that I will communicate to Assignee or its representatives any facts known to me respecting the inventions, and when requested by Assignee I will testify in any legal proceedings relating to the inventions at Assignee's expense, and generally do everything possible to aid Assignee to obtain or enforce proper protection for the inventions in any and all countries.

I authorize and empower Assignee to make applications for patent or other form of protection for the inventions in Assignee's own name, or in my name, in any and all countries, and to invoke and claim for any application for patent or other form of protection for the inventions filed by Assignee the benefit of all rights of priority provided by any and all treaties, conventions or agreements without further written or oral authorization from me.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or similar document which may be required in any country for any purpose, including proof of the right of Assignee to apply for patent or other form of protection for the inventions, and to claim the aforesaid benefit of the right of priority.

I covenant with Assignee that, to the best of my knowledge, the right, title and interest herein conveyed by me are free and clear of any encumbrance, and that I have the full right to convey the same as herein expressed.

I authorize attorneys for Assignee to insert the filing date and serial number into this assignment after the application for Letters Patent has been filed and a serial number has been assigned to such application.

This assignment supersedes all other assignments, agreements and addendums related to the inventions referenced herein.

IN WITNESS WHEREOF, I have hereunto signed my name on the day and year set forth below.

FIRST INVENTOR

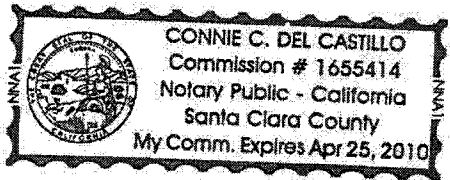
[Signature]  
Shaohua Yang

Date: 05/27/2009

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California  
County of Santa Clara

On May 27, 2009 before me, Connie C. del Castillo, Notary Pub  
Date Here Insert Name and Title of the Officer  
personally appeared Shaohua Yang  
Name of Signer




Place Notary Seal Above

who proved to me on the basis of satisfactory evidence to be the person whose name is/are subscribed to the within instrument and acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal  
Signature Connie C del Castillo  
Signature of Notary Public  
Notary Public

SECOND INVENTOR

  
Yuan Xing Lee

Date: 05/27/09

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California  
County of Santa Clara

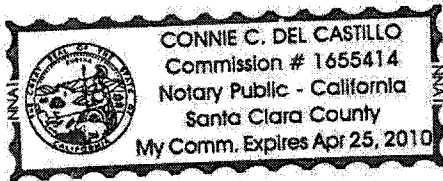
On May 27, 2009 before me, Connie C. del Castillo, Notary Public  
Date Here Insert Name and Title of the Officer  
personally appeared Yuan Xing Lee  
Name of Signer

who proved to me on the basis of satisfactory evidence to be the person whose name is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Connie C del Castillo  
Signature of Notary Public  
Notary Public



Place Notary Seal Above

THIRD INVENTOR

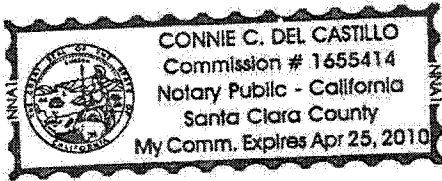
*[Signature]*  
Changyou Xu

Date: 5/27/2009

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California  
County of Santa Clara

On May 27, 2009 before me, Connie C del Castillo, Notary Public  
Date Here Insert Name and Title of the Officer  
personally appeared Changyou Xu  
Name of Signer



Place Notary Seal Above


who proved to me on the basis of satisfactory evidence to be the person whose name is/are subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature *Connie C. del Castillo*  
Signature of Notary Public

FOURTH INVENTOR



Richard Rauschmayer

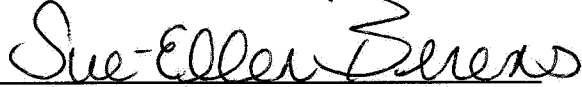
Date: 6/17/2009

United States of America )

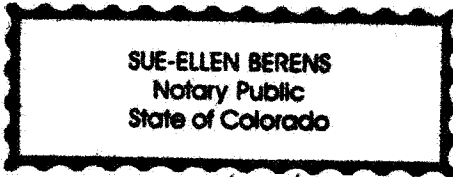
State of COLORADO ) ss.:

County of Boulder )

On this 17 day of JUNE, 2009, before me personally came **Richard Rauschmayer**, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public



exp 10/17/2010

FIFTH INVENTOR

Harley Burger  
Harley Burger

Date: May 27 2009

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California  
County of Santa Clara

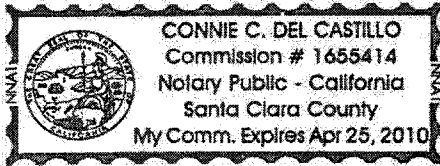
On May 27, 2009 before me, Connie C del Castillo, Notary Public  
Date Here Insert Name and Title of the Officer  
personally appeared Harley Burger  
Name of Signer

who proved to me on the basis of satisfactory evidence to be the person whose name is/are subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Connie C del Castillo  
Signature of Notary Public



Place Notary Seal Above.



SIXTH INVENTOR

Kapil Gaba

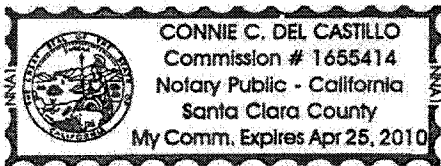
Date: 05/27/2009

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California  
County of Santa Clara

On May 27, 2009 before me, Connie C. del Castillo, Notary Public

personally appeared Kapil Gaba



Place Notary Seal Above

who proved to me on the basis of satisfactory evidence to be the person whose name is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Connie C. del Castillo  
Signature of Notary Public