

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>William W. Voorhees</td> <td>01/16/2012</td> </tr> <tr> <td>Patrick R. Bashford</td> <td>01/16/2012</td> </tr> <tr> <td>Harvey J. Newman</td> <td>01/16/2012</td> </tr> </tbody> </table>		Name	Execution Date	William W. Voorhees	01/16/2012	Patrick R. Bashford	01/16/2012	Harvey J. Newman	01/16/2012
Name	Execution Date								
William W. Voorhees	01/16/2012								
Patrick R. Bashford	01/16/2012								
Harvey J. Newman	01/16/2012								
RECEIVING PARTY DATA									
Name:	LSI Corporation								
Street Address:	1621 Barber Lane								
City:	Milpitas								
State/Country:	CALIFORNIA								
Postal Code:	95035								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13352400</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13352400				
Property Type	Number								
Application Number:	13352400								
CORRESPONDENCE DATA									
Fax Number:	(402)496-0333								
Phone:	402-496-0300								
Email:	file@suiter.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	LSI Corporation c/o Suiter Swantz pc llo								
Address Line 1:	14301 FNB Parkway, Suite 220								
Address Line 4:	Omaha, NEBRASKA 68154								
ATTORNEY DOCKET NUMBER:	L11-0712US1								
NAME OF SUBMITTER:	Chad W. Swantz								
<p>Total Attachments: 6 source=L110712US1_Assignment#page1.tif</p>									

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ASSIGNMENT AGREEMENT

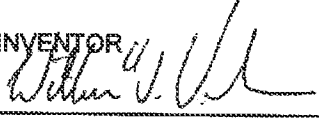
For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, William W. Voorhees, Patrick R. Bashford, and Harvey J. Newman, hereby sell, assign and transfer to LSI Corporation, a corporation of the State of Delaware, having an office at 1621 Barber Lane, Milpitas, CA 95035, United States of America, and its successors, assigns and legal representatives (collectively "Assignee"), the entire right, title and interest, for the United States and all foreign countries, in and to any and all inventions and improvements ("Inventions") as described and/or claimed in an application for Letters Patent of the United States of America entitled **APPLICATION OF ALTERNATE ALIGN PRIMITIVES DURING SAS RATE MATCHING TO IMPROVE CONTINUOUS ADAPTATION** and assigned attorney docket number L11-0712US1, and in and to the application and all divisional, continuing, substitute, renewal, reissue, reexamination and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries for the Inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefore including any reissues, reexaminations and extensions thereof.

I/We agree that when requested 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/We authorize and empower Assignee to make applications for patent or other form of protection for the Inventions in Assignee's own 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.

I/We hereby consent that a copy of this Assignment Agreement 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.

IN WITNESS WHEREOF, I/we have hereunto signed my/our name(s) on the day and year set forth below.

INVENTOR  _____ William W. Voorhees 1/16/2012 _____ Date	INVENTOR _____ Patrick R. Bashford _____ Date	INVENTOR _____ Harvey J. Newman _____ Date
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ACKNOWLEDGMENT

State of Colorado

County of El Paso

On this 16 day of January, 2012, before me personally appeared

William W Voorhees

known to me to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

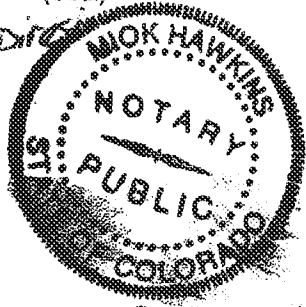
In witness hereof, I hereunto set my hand and official seal.

Mick Hawkins (Seal)

Notary Public

My Commission Expires

05/22/12



ASSIGNMENT AGREEMENT


For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, **William W. Voorhees, Patrick R. Bashford, and Harvey J. Newman**, 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"), the entire right, title and interest, for the United States and all foreign countries, in and to any and all inventions and improvements ("Inventions") as described and/or claimed in an application for Letters Patent of the United States of America entitled **APPLICATION OF ALTERNATE ALIGN PRIMITIVES DURING SAS RATE MATCHING TO IMPROVE CONTINUOUS ADAPTATION** and assigned attorney docket number **L11-0712US1**, and in and to the application and all divisional, continuing, substitute, renewal, reissue, reexamination and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries for the Inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefore including any reissues, reexaminations and extensions thereof.

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IN WITNESS WHEREOF, I/we have hereunto signed my/our name(s) on the day and year set forth below.

INVENTOR <hr/> William W. Voorhees <hr/> Date	INVENTOR  <hr/> Patrick R. Bashford <hr/> January 16, 2012 Date	INVENTOR <hr/> Harvey J. Newman <hr/> Date
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ACKNOWLEDGMENT

State of COLORADO

County of LADWELL

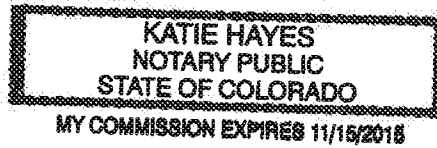
On this 16th day of JANUARY, 2012, before me personally appeared
PATRICK R. BASHFORD

known to me to be the individual described in and who executed the foregoing instrument, and
acknowledged execution of the same.

In witness hereof, I hereunto set my hand and official seal.

Katie Hayes
Notary Public

(Seal)



ASSIGNMENT AGREEMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, William W. Voorhees, Patrick R. Bashford, and Harvey J. Newman, 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"), the entire right, title and interest, for the United States and all foreign countries, in and to any and all inventions and improvements ("Inventions") as described and/or claimed in an application for Letters Patent of the United States of America entitled **APPLICATION OF ALTERNATE ALIGN PRIMITIVES DURING SAS RATE MATCHING TO IMPROVE CONTINUOUS ADAPTATION** and assigned attorney docket number L11-0712US1, and in and to the application and all divisional, continuing, substitute, renewal, reissue, reexamination and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries for the Inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefore including any reissues, reexaminations and extensions thereof.

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IN WITNESS WHEREOF, I/we have hereunto signed my/our name(s) on the day and year set forth below.

INVENTOR

William W. Voorhees

Date

INVENTOR

Patrick R. Bashford

Date

INVENTOR

Harvey J. Newman
Harvey J. Newman

Date

1/16/2012

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Santa Clara

On January 16, 2012 before me, Karen J. Miller, Notary Public
Date Here insert Name and Title of the Officer

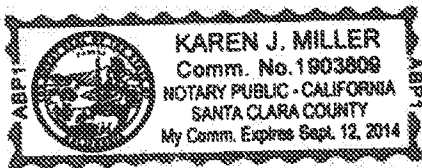
personally appeared Harvey John Newman
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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: Karen J. Miller
Signature of Notary Public



Place Notary Seal Above