

## 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>Haotian Zhang</td> <td>10/15/2012</td> </tr> <tr> <td>Yu Liao</td> <td>10/15/2012</td> </tr> <tr> <td>Haitao Xia</td> <td>10/11/2012</td> </tr> </tbody> </table>		Name	Execution Date	Haotian Zhang	10/15/2012	Yu Liao	10/15/2012	Haitao Xia	10/11/2012
Name	Execution Date								
Haotian Zhang	10/15/2012								
Yu Liao	10/15/2012								
Haitao Xia	10/11/2012								
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>13652706</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13652706				
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Application Number:	13652706								
CORRESPONDENCE DATA									
Fax Number:	4025041636								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	402 502 1020								
Email:	uspto@adventip.com								
Correspondent Name:	Advent IP/LSI Corporation								
Address Line 1:	2425 South 144th Street, Suite 202								
Address Line 4:	Omaha, NEBRASKA 68144								
ATTORNEY DOCKET NUMBER:	L12-1629US1								
NAME OF SUBMITTER:	Jeffrey M. Andersen								
<p>Total Attachments: 5</p> <p>source=L121629US1Assignment#page1.tif</p> <p>source=L121629US1Assignment#page2.tif</p> <p>source=L121629US1Assignment#page3.tif</p> <p>source=L121629US1Assignment#page4.tif</p> <p>source=L121629US1Assignment#page5.tif</p>									

OP \$40.00 13652706

ASSIGNMENT AGREEMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, Haotian Zhang, Yu Liao and Haitao Xia, 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 **Zero Gain Start and Gain Acquisition Based on Adaptive Analog-to-Digital Converter Target** and assigned attorney docket number L12-1629US1, 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.

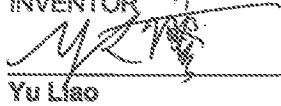
I/We agree that when requested will, without charge to Assignee but at its expense, sign all papers, take all rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for the Inventions 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  
  
 Haotian Zhang  
 10/15/2012  
 Date

INVENTOR  
  
 Yu Liao  
 10/15/2012  
 Date

INVENTOR  
  
 Haitao Xia  
 10/15/12  
 Date

ACKNOWLEDGMENT

State of Colorado

County of Boulder

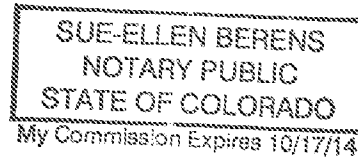
On this 15 day of October, 2012, before me personally appeared

Yu Liao

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.

Sue-Elle Berens (Seal)  
Notary Public



ACKNOWLEDGMENT

State of Colorado

County of Boulder

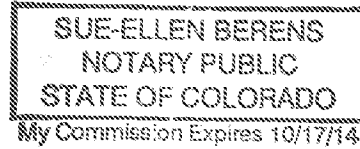
On this 15 day of October, 2012, before me personally appeared

Haojian Zhang

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.

Sue Ellen Berens (Seal)  
Notary Public



ASSIGNMENT AGREEMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, Haotian Zhang, Yu Liao and Haitao Xia, 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 Zero Gain Start and Gain Acquisition Based on Adaptive Analog-to-Digital Converter Target and assigned attorney docket number L12-1629US1, 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

INVENTOR

INVENTOR

Haotian Zhang

Yu Liao

Haitao Xia

Date

Date

Date

10/11/2012

L12-1629451

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Santa Clara

On October 11, 2012 before me, Jamie Dickinson, Notary Public

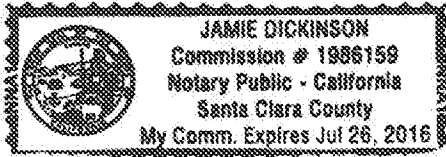
Date

Here Insert Name and Title of the Officer

personally appeared Haitao Xia

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: Jamie Dickinson  
Signature of Notary Public

Place Notary Seal Above