

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	Certificate of Conversion										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Xiao-An Wang</td> <td>11/04/1998</td> </tr> </tbody> </table>		Name	Execution Date	Xiao-An Wang	11/04/1998						
Name	Execution Date										
Xiao-An Wang	11/04/1998										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Agere Systems LLC</td> </tr> <tr> <td>Street Address:</td> <td>1110 American Parkway NE</td> </tr> <tr> <td>City:</td> <td>Allentown</td> </tr> <tr> <td>State/Country:</td> <td>PENNSYLVANIA</td> </tr> <tr> <td>Postal Code:</td> <td>18109</td> </tr> </table>		Name:	Agere Systems LLC	Street Address:	1110 American Parkway NE	City:	Allentown	State/Country:	PENNSYLVANIA	Postal Code:	18109
Name:	Agere Systems LLC										
Street Address:	1110 American Parkway NE										
City:	Allentown										
State/Country:	PENNSYLVANIA										
Postal Code:	18109										
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>10289699</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	10289699						
Property Type	Number										
Application Number:	10289699										
CORRESPONDENCE DATA											
Fax Number:	2032556570										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	2032556560										
Email:	tm@mml-law.com										
Correspondent Name:	Kevin M. Mason										
Address Line 1:	Ryan, Mason & Lewis, LLP										
Address Line 2:	1300 Post Road - Suite 205										
Address Line 4:	Fairfield, CONNECTICUT 06824										
ATTORNEY DOCKET NUMBER:	WANG 19 (1150-1119)										
NAME OF SUBMITTER:	Kevin M. Mason										
<p>Total Attachments: 16          source=1150-1119_CertificateOfConversion_12-12-12#page1.tif          source=1150-1119_CertificateOfConversion_12-12-12#page2.tif          source=1150-1119_CertificateOfConversion_12-12-12#page3.tif          source=1150-1119_CertificateOfConversion_12-12-12#page4.tif</p>											

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# Delaware

PAGE 1

*The First State*

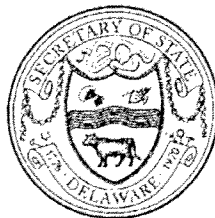
I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A DELAWARE CORPORATION UNDER THE NAME OF "AGERE SYSTEMS INC." TO A DELAWARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME FROM "AGERE SYSTEMS INC." TO "AGERE SYSTEMS LLC", FILED IN THIS OFFICE ON THE TWENTY-FOURTH DAY OF JULY, A.D. 2012, AT 7:39 O'CLOCK P.M.

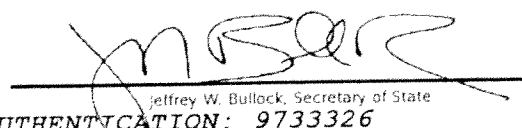
AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF CONVERSION IS THE THIRTIETH DAY OF JULY, A.D. 2012.

3268412 8100V

120868475

You may verify this certificate online  
at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)



  
Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 9733326

DATE: 07-25-12

**PATENT**  
**REEL: 029457 FRAME: 0590**

State of Delaware  
Secretary of State  
Division of Corporations  
Delivered 07:39 PM 07/24/2012  
FILED 07:39 PM 07/24/2012  
SRV 120868475 - 3268412 FILE

STATE OF DELAWARE  
CERTIFICATE OF CONVERSION  
FROM A CORPORATION TO A  
LIMITED LIABILITY COMPANY PURSUANT TO  
SECTION 18-214 OF THE LIMITED LIABILITY ACT

- 1.) The jurisdiction where the Corporation first formed is Delaware.
- 2.) The jurisdiction immediately prior to filing this Certificate is Delaware.
- 3.) The date the corporation first formed is August 1, 2000.
- 4.) The name of the Corporation immediately prior to filing this Certificate is Agere Systems Inc.
- 5.) The name of the Limited Liability Company as set forth in the Certificate of Formation is Agere Systems LLC.
6. The Certificate of Conversion shall be effective July 30, 2012.

IN WITNESS WHEREOF, the undersigned have executed this Certificate on the 23<sup>rd</sup> day of July, A.D. 2012.

By: Paul Bento  
Authorized Person

Name: Paul Bento  
Print or Type

11-18-1998

FORM PTO 1595

I



SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

100901237

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

Handwritten: 98-11-9-98

1. Name of conveying party(ies):  
**Xiao-an Wang**

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

2. Name and address of receiving party(ies)

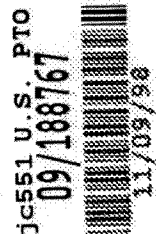
Name: **Lucent Technologies Inc.**

Internal Address:

Street Address: **600 Mountain Avenue**  
**P.O. Box 636**

City: **Murray Hill** State: **NJ** ZIP: **07974-0636**

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



3. Nature of conveyance:

X Assignment \_\_\_ Merger  
 \_\_\_ Security Agreement \_\_\_ Change of Name  
 \_\_\_ Other

Execution Date: **November 4, 1998**

4. Application number(s) or patent number(s):  
 If this document is being filed together with a new application, the execution date of the application is:  
**November 4, 1998**

A. Patent Application No. (s) B. Patent No.(s)

Additional numbers attached? \_\_\_ Yes X No

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

Name: **Joseph B. Ryan**  
 Internal Address: **Ryan & Mason, L.L.P.**  
 Street Address: **90 Forest Avenue**

City: **Locust Valley** State: **NY** ZIP: **11560**

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41)..... \$ 40.00  
 \_\_\_ Enclosed  
X Authorized to be charged to deposit account

8. Deposit account number **12-2325**

DO NOT USE THIS SPACE

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.*

Kevin M. Mason Kevin M. Mason November 9, 1998  
 Reg. No. 36,597 Signature Date

11/17/1998 DMGUYEN 00000123 122325 09188767  
 FC:501 40.00 CH Total number of pages including cover sheet, attachments, and document: 3

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:  
 Commissioner of Patents and Trademarks  
 Box Assignments  
 Washington, DC 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, DC, 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, DC 20503.

Wang 9

PATENT REEL: 029457 FRAME: 0592

# Delaware

PAGE 1

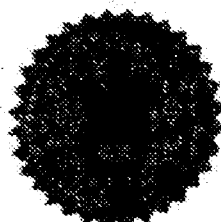
*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"AGERE SYSTEMS GUARDIAN CORP.", A DELAWARE CORPORATION, WITH AND INTO "AGERE SYSTEMS INC." UNDER THE NAME OF "AGERE SYSTEMS INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-NINTH DAY OF AUGUST, A.D. 2002, AT 9 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE THIRTY-FIRST DAY OF AUGUST, A.D. 2002.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

3268412 8100M

AUTHENTICATION: 1959517

020545223

DATE: 08-29-02

STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 09:00 AM 08/29/2002  
020545223 - 3268412

**CERTIFICATE OF OWNERSHIP AND MERGER**

**OF**

**Agere Systems Guardian Corp.**  
**(a Delaware corporation)**

**INTO**

**Agere Systems Inc.**  
**(a Delaware corporation)**

**UNDER SECTION 253 OF THE GENERAL  
CORPORATION LAW OF THE STATE OF DELAWARE**

Agere Systems Inc., a corporation organized and existing under the laws of Delaware ("Corporation"), **DOES HEREBY CERTIFY:**

**FIRST:** The Corporation is the owner of all of the outstanding shares of common stock of Agere Systems Guardian Corp., which is also a business corporation of the State of Delaware.

**SECOND:** On August 22, 2002 the Subsidiary Governance Committee of the Board of Directors of the Corporation adopted the following resolution to merge Agere Systems Guardian Corp. into the Corporation:

**RESOLVED** that Agere Systems Guardian Corp., a Delaware corporation, shall be merged with and into Agere Systems Inc., a Delaware corporation, with Agere Systems Inc. being the surviving corporation, and Agere Systems Inc. shall thereupon assume all of the obligations of Agere Systems Guardian Corp."

**THIRD:** That the merger authorized hereby shall become effective as of 9:00 a.m. Eastern Standard Time on August 31, 2002.

Executed on August 22, 2002

**AGERE SYSTEMS INC.**

By Paul Bento  
Paul Bento, Vice President

**EXECUTION COPY**

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**PATENT ASSIGNMENT**

**by and between**

**LUCENT TECHNOLOGIES INC.**

**and**

**AGERE SYSTEMS GUARDIAN CORP.**

**Dated as of January 30, 2001**

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## PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (this "Assignment"), effective as of January 30, 2001 (the "Effective Date"), is by and between Lucent Technologies Inc., a Delaware corporation, with offices at 600 Mountain Avenue, Murray Hill, New Jersey 07974, United States of America, ("ASSIGNOR") and Agere Systems Guardian Corp., a Delaware corporation, with offices at 555 Union Boulevard, Allentown, PA 18109, United States of America ("Agere Systems Guardian").

### RECITALS

A. WHEREAS, the Board of Directors of ASSIGNOR has determined that it is in the best interests of ASSIGNOR and its stockholders to separate ASSIGNOR's existing businesses into two independent businesses;

B. WHEREAS, ASSIGNOR presently owns or controls certain patents, patent applications, and invention submissions listed in the attached Appendices A and B (hereinafter "TRANSFERRED PATENTS") and;

C. WHEREAS, in furtherance of the foregoing separation, ASSIGNOR desires to transfer, assign, convey, deliver and vest all of its interests and rights in TRANSFERRED PATENTS for all countries, jurisdictions and political entities of the world, to and in Agere Systems Guardian;

NOW, THEREFORE, in consideration of the premises and for other good and valid consideration, the receipt and sufficiency of which are hereby acknowledged, the parties, intending to be legally bound, agree as follows:

ASSIGNOR, subject to existing rights and licenses of third parties, does hereby assign, convey, transfer and deliver, and agrees to assign, convey, transfer and deliver to Agere Systems Guardian, its successors, assigns and legal representatives or nominees, ASSIGNOR's entire right, title and interest, for all countries, jurisdictions and political entities of the world, along with the right to sue for past infringement, to all TRANSFERRED PATENTS listed on Appendices A and B, and corresponding counterpart foreign patents and patent applications, with respect to which, and to the extent to which, ASSIGNOR now has or hereafter acquires the right to so assign, convey, transfer and deliver. Agere Systems Guardian recognizes that ASSIGNOR holds only bare legal title to the TRANSFERRED PATENTS listed in Appendix A (which lists the United States Patents and patent applications previously exclusively licensed to Lucent Technologies Microelectronics Guardian Corp.).

ASSIGNOR and ASSIGNEE recognize that the patents listed in Appendices A and B may inadvertently include patents that are owned by various subsidiaries of ASSIGNOR, including Agere, Inc., Ortel Corporation, Optimay Corporation, Herrmann Technology, Inc., and Enable Semiconductor, Inc. Ownership of such patents shall not be affected by this Patent

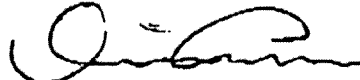
Assignment, and ASSIGNEE agrees that any such patents shall be deemed deleted from Appendices A and B.

ASSIGNOR agrees that, upon request it will, at any time without charge to Agere Systems Guardian, but at Agere Systems Guardian's expense, furnish all necessary documentation relating to or supporting chain of title, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for vesting title to TRANSFERRED PATENTS in Agere Systems Guardian, its successors, assigns and legal representatives or nominees; including but not limited to any acts which may be necessary, desirable or convenient for claiming said rights and for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in Agere Systems Guardian and its respective successors, assigns and legal representatives or nominees.

Execution Copy

IN WITNESS WHEREOF, the parties have caused this PATENT ASSIGNMENT to be executed by their duly authorized representatives as of the Effective Date.

**LUCENT TECHNOLOGIES INC.**

By:   
Daniel P. McCurdy  
President, Intellectual Property Business

**AGERE SYSTEMS GUARDIAN CORP.**

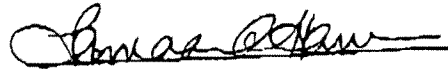
By:   
Fred M. Romano  
President

Execution Copy

ACKNOWLEDGMENTS

STATE OF NEW JERSEY )  
: ss:  
COUNTY OF SOMERSET )

I CERTIFY that on January 30, 2001, Daniel P. McCurdy personally came before me and this person acknowledged under oath, to my satisfaction that:  
a.) this person signed, sealed and delivered the attached Patent Assignment as President - Intellectual Property Business of Lucent Technologies Inc.; and  
b.) this Patent Assignment was signed and made by Lucent Technologies Inc. as its voluntary act and deed by virtue of authority from its Board of Directors.



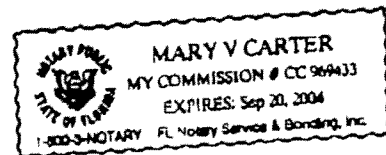
Name TAMORA ANNE HANNA  
Notary Public Notary Public of New Jersey  
My Commission Expires Registered in Hunterdon County  
[Notarial Seal] My Commission Expires March 25, 2002

STATE OF FLORIDA )  
: ss:  
COUNTY OF ORANGE )

I CERTIFY that on January 31, 2001, Fred M. Romano personally came before me and this person acknowledged under oath, to my satisfaction that:  
a.) this person signed, sealed and delivered the attached Patent Assignment as Vice President of Agere Systems Guardian Corp. ; and  
b.) this Patent Assignment was signed and made by Agere Systems Guardian Corp. as its voluntary act and deed by virtue of authority from its Board of Directors.



Name  
Notary Public  
My Commission Expires:  
[Notarial Seal]



APPENDIX B (continued)  
Transferred Patents

Case Name	Filing Date	Issue Date	Patent No.	Serial No.
VTC-67			5920729	
VTC-68			5942934	
VTC-69			5982574	
VTC-7			4923824	
VTC-70			5986832	
VTC-71			5990710	
VTC-72			5994951	
VTC-73			6005733	
VTC-74			6020695	
VTC-75			6107888	
VTC-76			6111716	
VTC-8			5291347	
VTC-9			5311148	
Wagstaff 1	7/9/1999			09/350645
Walck 4	5/12/1998	4/18/2000	6051989	
Walden 10	5/28/1999			09/320275
Walden 13	3/29/2000			09/537300
Walden 14	5/10/2000			09/567606
Walden 6	11/17/1997	4/11/2000	6049236	
Walden 8	7/31/1998		09/127702	
Walden 9	12/4/1998			09/206030
Wang 11	8/3/1999			09/368299
Wang 1-1	5/29/1998	8/15/2000	09/087837	6105154
Wang 12	10/4/1999			09/412462
Wang 1-2	4/22/1999			09/296516
Wang 13	9/30/1999			09/409150
Wang 14	8/18/1999			09/376852
Wang 18	3/22/2000			09/532637
Wang 2	6/2/1999			09/324304
Wang 6	3/16/2000			09/527011
Wang 7	4/19/1999			09/294695
Wang 7-3	3/16/2000			09/527008
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Wang 9	11/9/1998			09/188767
Warwick 10	11/3/1998			09/184743
Warwick 11	2/5/1999			09/245078
Warwick 13	12/20/1999			09/466915
Warwick 14	8/8/2000		09/634021	
Warwick 9	11/3/1998			09/184744
Waskiewicz 9-1	10/6/1999			09/413149
Weber 1	5/26/1998		09/084723	
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Wee 2	12/7/1998			09/206734
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Wee 7	7/29/1999			09/354843
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Werner 44-8	5/23/1997	5/30/2000	6069917	
Werner 50-10	8/24/1999			09/339793
Whalen 5	8/17/1998		09/135008	
Wheeler 1	7/27/1998		09/123380	
White 44	4/1/1999			09/283528
Wilcox 3	1/20/2000			09/487853
Williams 2	9/8/1997		08/925341	
Wilson 10	10/26/1999			09/427312
Wilson 8	9/29/2000		09/675434	
Wittensoldner 1	8/11/2000		09/636457	
Wittensoldner 1	12/14/1999			60/170553