

Form PTO-1595 (Rev. 09/04)  
OMB No. 0651-0027 (exp. 6/30/2005)

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

## RECORDATION FORM COVER SHEET PATENTS ONLY

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)/Execution Date(s):**

MARK ADAM BACHMAN (07/31/2007),  
DONALD STEPHEN BITTING (08/09/2007),  
DANIEL PATRICK CHESIRE (05/23/2008),

Execution Date(s): in parentheses after inventor name

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

**3. Nature of Conveyance:**

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

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

Name: AGERE SYSTEMS INC.

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

Street Address: \_\_\_\_\_

1110 AMERICAN PARKWAY NE

City: ALLENTOWN

State: PENNSYLVANIA

Country: United States of America Zip: 18109

Additional name(s) & address(es) attached: ☐ Yes ☒ No

**4. Application or patent number(s):**

A. Patent Application No.(s)

11/884,328

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Richard J. Botos  
LERNER, DAVID, LITTENBERG,  
KRUMHOLZ & MENTLIK, LLP

Internal Address: Atty. DKL:

Street Address: 600 South Avenue West

City: Westfield

State: NJ Zip: 07090

Phone Number: (908) 654-5000

Fax Number: (908) 654-0415

Email Address: rbotos@ldlkm.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 12-1095  
Authorized User Name Richard J. Botos

**9. Signature:**



Signature

Richard J. Botos - 32,016

Name of Person Signing

May 30, 2008

Date

Total number of pages including cover sheet, attachments, and documents:

26

CH \$40.00 121095 11884328

Form PTO-1595		RECORDATION FORM COVER SHEET (continued)	
<b>Additional Conveying Party(ies)/Execution Date(s) (1. Continued):</b> Taeho Kook (09/06/2007), and Sailesh Mansinh Merchant (07/30/2007)			
<b>Additional Assignees (2. Continued):</b>			
Assignee Name: _____ Internal Address: _____ Street Address: _____  City: _____ State: _____ Country: _____ Zip: _____			
Assignee Name: _____ Internal Address: _____ Street Address: _____  City: _____ State: _____ Country: _____ Zip: _____			
Assignee Name: _____ Internal Address: _____ Street Address: _____  City: _____ State: _____ Country: _____ Zip: _____			
<b>Additional Applications and/or Patents (4. Continued):</b>			
Additional Patent Application Numbers 4A. Continued:		Additional Patent Numbers 4B. Continued:	
Additional numbers attached?		<input type="checkbox"/> Yes <input type="checkbox"/> No	

AGERE 3.3-072

## ASSIGNMENT AND AGREEMENT

For value received, we, Mark Adam BACHMAN of 3 Esther Circle, Sinking Springs, PA 19608, Donald Stephen BITTING of 57 Faiwood Avenue, Sinking Spring, PA 19608, Daniel Patrick CHESIRE of 2018 Wintermere Pointe Drive, Winter Garden, FL 34787, Taeho KOOK of 9253 Wickham Way, Orlando, FL 32836, and Sailesh Mansinh MERCHANT of 7156 Moonbeam Lane, Macungie, PA 18062, hereby sell, assign and transfer to Agere Systems Inc., a corporation of the State of Delaware, having an office at 1110 American Parkway NE, Allentown, PA 18109, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **STRUCTURE AND METHOD FOR FABRICATING FLIP CHIP DEVICES** described in an application for Letters Patent of the United States, filed on February 24, 2005 and bearing U.S. Serial No. 60/655,816, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Agere Systems Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Agere Systems Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Agere Systems Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Agere Systems Inc. in the United States and in all countries foreign to the United States, or to such nominees as Agere Systems Inc. may designate.

We agree that, when requested, we shall, without charge to Agere Systems Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

\_\_\_\_\_  
Mark Adam BACHMAN

Date: \_\_\_\_\_

United States of America )

State of ) ss.:

County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came Mark Adam BACHMAN, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public

  
Donald Stephen BITTING

Date: August 9, 2007

United States of America )

State of New York ) ss.:

County of Dutchess )

On this 9th day of August 9, 2007, before me personally came Donald Stephen BITTING, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

LINDA R. JACKSON  
Notary Public - State of New York  
No. 01JA6123465  
Qualified in Orange County  
My Commission Expires Mar. 07, 2009

4

AGERE 3.3-072

---

Daniel Patrick CHESIRE

Date: \_\_\_\_\_

United States of America )

State of ) ss.:

County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came Daniel Patrick CHESIRE, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

---

Notary Public

5

AGERE 3.3-072

---

Taeho KOOK

Date: \_\_\_\_\_

United States of America )

State of ) ss.:

County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came Taeho KOOK, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

---

Notary Public

6

AGERE 3.3-072

---

Sailesh Mansinh MERCHANT

Date: \_\_\_\_\_

United States of America )

State of ) ss.:

County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came Sailesh Mansinh MERCHANT, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

---

Notary Public

Agere Systems Inc.  
1110 American Parkway NE  
Allentown, Pennsylvania 18109



AGERE 3.3-072

## ASSIGNMENT AND AGREEMENT

For value received, we, Mark Adam BACHMAN of 3 Esther Circle, Sinking Springs, PA 19608, Donald Stephen BITTING of 57 Faiwood Avenue, Sinking Spring, PA 19608, Daniel Patrick CHESIRE of 2018 Wintermere Pointe Drive, Winter Garden, FL 34787, Taeho KOOK of 9253 Wickham Way, Orlando, FL 32836, and Sailesh Mansinh MERCHANT of 7156 Moonbeam Lane, Macungie, PA 18062, hereby sell, assign and transfer to Agere Systems Inc., a corporation of the State of Delaware, having an office at 1110 American Parkway NE, Allentown, PA 18109, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **STRUCTURE AND METHOD FOR FABRICATING FLIP CHIP DEVICES** described in an application for Letters Patent of the United States, filed on February 24, 2005 and bearing U.S. Serial No. 60/655,816, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Agere Systems Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Agere Systems Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Agere Systems Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Agere Systems Inc. in the United States and in all countries foreign to the United States, or to such nominees as Agere Systems Inc. may designate.

We agree that, when requested, we shall, without charge to Agere Systems Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

  
Mark Adam BACHMAN

Date: 7/31/2007

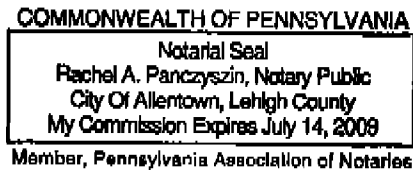
United States of America )

State of Pennsylvania ) ss.:

County of Lehigh )

On this 31 day of July, 2007, before me personally came Mark Adam BACHMAN, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public



3

AGERE 3.3-072

---

Donald Stephen BITTING

Date:\_\_\_\_\_

United States of America )

State of ) ss.:

County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came Donald Stephen BITTING, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

---

Notary Public

4

AGERE 3.3-072

---

Daniel Patrick CHESIRE

Date: \_\_\_\_\_

United States of America )

State of ) ss.:

County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came Daniel Patrick CHESIRE, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

---

Notary Public

5

AGERE 3.3-072

---

Taeho KOOK

Date: \_\_\_\_\_

United States of America )

State of ) ss.:

County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came Taeho KOOK, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

---

Notary Public

  
Sailesh Mansinh MERCHANT

Date: 30 July, 07

United States of America )

State of Pennsylvania ) ss.:

County of Lehigh )

On this 30 day of July, 2007, before me personally came Sailesh Mansinh MERCHANT, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal  
Rachel A. Panczyzsin, Notary Public  
City Of Allentown, Lehigh County  
My Commission Expires July 14, 2009

Member, Pennsylvania Association of Notaries

Agere Systems Inc.  
1110 American Parkway NE  
Allentown, Pennsylvania 18109

AGERE 3.3-072

## ASSIGNMENT AND AGREEMENT

For value received, we, Mark Adam BACHMAN of 3 Esther Circle, Sinking Springs, PA 19603, Donald Stephen BITTING of 57 Faiwood Avenue, Sinking Spring, PA 19608, Daniel Patrick CHESIRE of 2018 Wintermere Pointe Drive, Winter Garden, FL 34787, Taeho KOOK of 9253 Wickham Way, Orlando, FL 32836, and Sailesh Mansinh MERCHANT of 7156 Moonbeam Lane, Macungie, PA 18062, hereby sell, assign and transfer to Agere Systems Inc., a corporation of the State of Delaware, having an office at 1110 American Parkway NE, Allentown, PA 18109, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **STRUCTURE AND METHOD FOR FABRICATING FLIP CHIP DEVICES** described in an application for Letters Patent of the United States, filed on February 24, 2005 and bearing U.S. Serial No. 60/655,816, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Agere Systems Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Agere Systems Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Agere Systems Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Agere Systems Inc. in the United States and in all countries foreign to the United States, or to such nominees as Agere Systems Inc. may designate.

We agree that, when requested, we shall, without charge to Agere Systems Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

\_\_\_\_\_  
Mark Adam BACHMAN

Date: \_\_\_\_\_

United States of America )

State of ) ss.:

County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came Mark Adam BACHMAN, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public



3

AGERE 3.3-072

---

Donald Stephen BITTINGDate: 

---

United States of America )

State of ) ss.:

County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came Donald Stephen BITTING, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

---

Notary Public

Daniel Patrick Chesire  
Daniel Patrick CHESIRE

Date: 05-23-2008

United States of America )

State of Florida ) ss.:

County of Orange )

On this 23 day of May, 2008, before me personally came Daniel Patrick CHESIRE, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

FL-DL-C260-175-51-222-0.

[Signature]  
Notary Public



5

AGERE 3.3-072

---

Taeho KOOK

Date: \_\_\_\_\_

United States of America )

State of ) ss.:

County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came Taeho KOOK, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

---

Notary Public

6

AGERE 3.3-072

---

Sailesh Mansinh MERCHANT

Date: \_\_\_\_\_

United States of America )

State of ) ss.:

County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came Sailesh Mansinh MERCHANT, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

---

Notary Public

Agere Systems Inc.  
1110 American Parkway NE  
Allentown, Pennsylvania 18109

AGERE 3.3-072

## ASSIGNMENT AND AGREEMENT

For value received, we, Mark Adam BACHMAN of 3 Esther Circle, Sinking Springs, PA 19603, Donald Stephen BITTING of 57 Faiwood Avenue, Sinking Spring, PA 19608, Daniel Patrick CHESIRE of 2018 Wintermere Pointe Drive, Winter Garden, FL 34787, Taeho KOOK of 9253 Wickham Way, Orlando, FL 32836, and Sailesh Mansinh MERCHANT of 7156 Moonbeam Lane, Macungie, PA 18062, hereby sell, assign and transfer to Agere Systems Inc., a corporation of the State of Delaware, having an office at 1110 American Parkway NE, Allentown, PA 18109, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **STRUCTURE AND METHOD FOR FABRICATING FLIP CHIP DEVICES** described in an application for Letters Patent of the United States, filed on February 24, 2005 and bearing U.S. Serial No. 60/655,816, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Agere Systems Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Agere Systems Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Agere Systems Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Agere Systems Inc. in the United States and in all countries foreign to the United States, or to such nominees as Agere Systems Inc. may designate.

We agree that, when requested, we shall, without charge to Agere Systems Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

\_\_\_\_\_  
Mark Adam BACHMAN

Date: \_\_\_\_\_

United States of America )

State of ) ss.:

County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came Mark Adam BACHMAN, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public

3

AGERE 3.3-072

---

Donald Stephen BITTING

Date: \_\_\_\_\_

United States of America )

State of ) ss.:

County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came Donald Stephen BITTING, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

---

Notary Public

4

AGERE 3.3-072

---

Daniel Patrick CHESIRE

Date: \_\_\_\_\_

United States of America )

State of ) ss.:

County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came Daniel Patrick CHESIRE, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

---

Notary Public



5

AGERE 3.3-072



Taeho KOOK

Date: Sept. 6, 2007

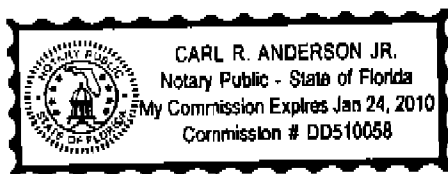
United States of America )

State of Florida ) ss.:County of Seminole )

On this 6th day of September, 2007, before me personally came Taeho KOOK, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public



PATENT

REEL: 021031 FRAME: 0568

6

AGERE 3.3-072

---

Sailesh Mansinh MERCHANT

Date: \_\_\_\_\_

United States of America )

State of ) ss.:

County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came Sailesh Mansinh MERCHANT, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

---

Notary Public

Agere Systems Inc.  
1110 American Parkway NE  
Allentown, Pennsylvania 18109