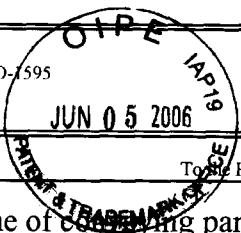


06-09-2006



103253909

To the Honorable Commissioner of Patents and Trademarks, documents or copy thereof.

1. Name of conveying party(ies):
**Rajarshi Bhattacharya, David P. Sonnier
 and Narender Reddy Vangati**

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

2. Name and address of receiving party(ies)
 Name: **Agere Systems Inc.**

Internal Address:

Street Address: **1110 American Parkway NE**

City: **Allentown** State: **PA** ZIP: **18109**

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date(s): **5/27/06, 5/19/06 and 5/24/06**

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:

A. Patent Application No.(s) **11/412,762** B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: **William E. Lewis**
 Internal Address: **Ryan, Mason & Lewis, LLP**
 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
 Authorized to be charged to deposit account

8. Deposit account number **50-0762**

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.

William E. Lewis *William E. Lewis* June 2, 2006
 Reg. No. 39,274 Signature Date

Total number of pages including cover sheet, attachments, and document: 9

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Bhattacharya 2-35-6

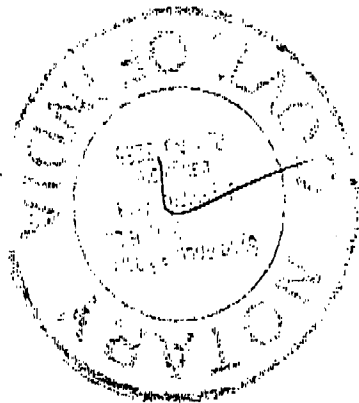
ASSIGNMENT AND AGREEMENT

For value received, we, Rajarshi Bhattacharya, of Bangalore in India, David P. Somnier, of Austin in the County of Travis and State of Texas, and Narender Reddy Vangati, of Austin in the County of Travis and State of Texas, 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 **METHODS AND APPARATUS FOR UPDATING DATA STRUCTURES DURING IN-SERVICE UPGRADE OF SOFTWARE IN NETWORK PROCESSOR** described in application Serial No. 11/412,762 for Letters Patent of the United States, filed April 27, 2006, 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.

Bhattacharya

Rajarshi Bhattacharya

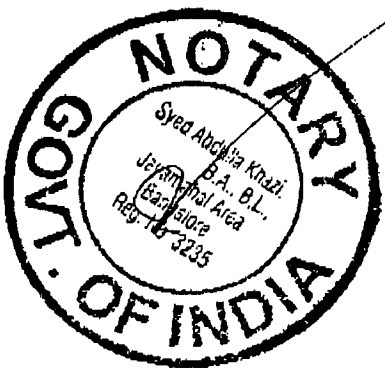
Date: 27/05/06

United States of America)

Bangalore) ss.:

India)

On this ____ day of _____, 20____, before me personally came Rajarshi Bhattacharya, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public
ATTESTED

[Signature]
SYED ABDULLA KHAZI B.A.L.
Advocate & Notary Public,
Govt. Of India
No.21/A, First Main Road,
Chinappa Garden
Bangalore : 560 046

27-MAY 2006

David P. Sonnier

Date:_____

United States of America)

State of Texas) ss.:

County of Travis)

On this _____ day of _____, 20____, before me personally came David P. Sonnier, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

Narender Reddy Vangati

Date:_____

United States of America)

State of Texas) ss.:

County of Travis)

On this _____ day of _____, 20____, before me personally came Narender Reddy Vangati, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

Ryan, Mason & Lewis, LLP
90 Forest Avenue
Locust Valley, New York 11560
(516) 759-2722

ASSIGNMENT AND AGREEMENT

For value received, we, Rajarshi Bhattacharya, of Bangalore in India, David P. Sonnier, of Austin in the County of Travis and State of Texas, and Narender Reddy Vangati, of Austin in the County of Travis and State of Texas, 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 **METHODS AND APPARATUS FOR UPDATING DATA STRUCTURES DURING IN-SERVICE UPGRADE OF SOFTWARE IN NETWORK PROCESSOR** described in application Serial No. 11/412,762 for Letters Patent of the United States, filed April 27, 2006, 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.

Rajarshi Bhattacharya

Date: _____

United States of America)

Bangalore) ss.:

India)

On this ____ day of _____, 20____, before me personally came Rajarshi Bhattacharya, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

David P. Sonnier
David P. Sonnier

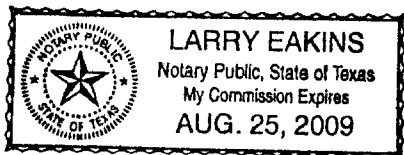
Date: 5-19-06

United States of America)

State of Texas) ss.:

County of Travis)

On this 19 day of May, 2006, before me personally came David P. Sonnier, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Larry Eakins
Notary Public

Narender Reddy Vangati

Narender Reddy Vangati

Date: 5/24/06

United States of America)

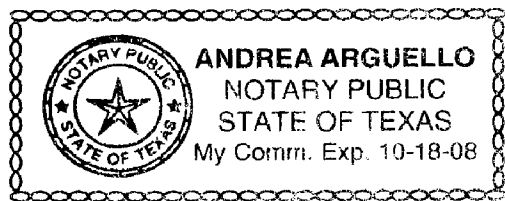
State of Texas) ss.:

County of Travis)

On this 24th day of May, 2006, before me personally came Narender Reddy Vangati, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Andrea Arguello

Notary Public



Ryan, Mason & Lewis, LLP
90 Forest Avenue
Locust Valley, New York 11560
(516) 759-2722