

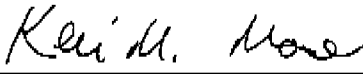
FORM PTO-1595

Rev. 6-93

OMB-0651-0011

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

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

|   |  |
|---|--|
| 1. Name of conveying party(ies):<br>Mohammad S. Mobin; Gregory W. Sheets;<br>Lane A. Smith; and Paul H. Tracy<br>Additional name(s) of conveying party(ies) attached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | 2. Name and address of receiving party(ies)<br><br>Name: <u>Agere Systems Inc.</u><br>Internal Address:<br><br>Street Address: <u>1110 American Parkway NE</u><br>City: <u>Allentown</u> State: <u>PA</u> ZIP: <u>18109</u><br>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                      |
| 3. Nature of conveyance:<br><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger<br><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name<br><input type="checkbox"/> Other<br><br>Execution Date: <b>October 20, 2006</b><br><b>October 29, 2006</b><br><b>October 30, 2006</b><br><b>October 30, 2006</b>   | 4. Application number(s) or patent number(s):<br>If this document is being filed together with a new application, the execution date of the application is:<br><br>A. Patent Application No.(s) 11/541,379, Filed September 29, 2006      B. Patent No.(s)<br><br>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 5. Name and address of party to whom correspondence concerning document should be mailed:<br>Name: <b>Kevin M. Mason</b><br>Internal Address: <b>Ryan, Mason &amp; Lewis, LLP</b><br>Street Address: <b>1300 Post Road, Suite 205</b><br><br>City: <b>Fairfield</b> State: <b>CT</b> ZIP: <b>06824</b>  | 6. Total number of applications and patents involved: <u>1</u><br>7. Total Fee (37 CFR 3.41)..... \$ <u>40.00</u><br><input type="checkbox"/> Enclosed<br><input checked="" type="checkbox"/> Authorized to be charged to deposit account<br>8. Deposit account number <u>50-0762</u>  |
| DO NOT USE THIS SPACE   |  |
| 9. Statement and signature.<br><i>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.</i><br><br><div style="display: flex; justify-content: space-between;"> <div>           Kevin M. Mason<br/>           Reg. No. 36,597         </div> <div style="text-align: center;"> <br/>           Signature         </div> <div style="text-align: right;">           November 2, 2006<br/>           Date         </div> </div> <div style="text-align: right; margin-top: 10px;">         Total number of pages including cover sheet, attachments, and document: <u>4</u> </div> |  |

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


700295273

**PATENT**  
**REEL: 018481 FRAME: 0884**

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Mobin 62-27-69-1

## ASSIGNMENT AND AGREEMENT

*Bransville in the County of Lehigh* 

For value received, we, Mohammad S. Mobin of Orefield in the County of Lehigh and the State of Pennsylvania; Gregory W. Sheets of Banger in the County of Northampton and the State of Pennsylvania; Lane A. Smith of Easton in the County of Northampton and the State of Pennsylvania; and Paul H. Tracy of Schnecksville in the County of Lehigh and the State of Pennsylvania, 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 a **METHOD AND APPARATUS FOR NON-LINEAR DECISION-FEEDBACK EQUALIZATION IN THE PRESENCE OF ASYMMETRIC CHANNEL**, described in an application for Letters Patent of the United States, filed on September 29, 2006 and assigned Serial No. 11/541,379, 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. they may designate.

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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.



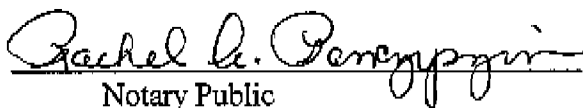
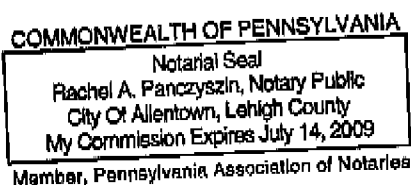
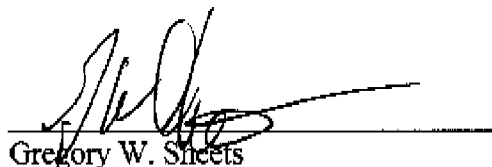
Mohammad S. Mobin

Date: 10/29/06

United States of America )

State of Pennsylvania ) ss.:County of Lehigh )

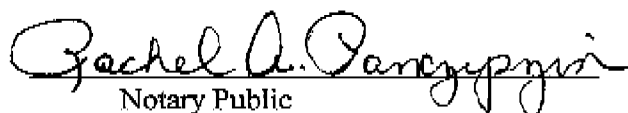
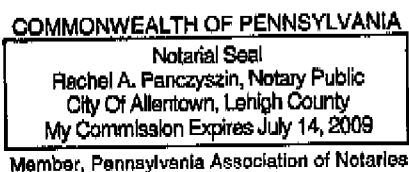
On this 26 day of October, 2006, before me personally came Mohammad S. Mobin, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public  
Gregory W. SheetsDate: 10/29/06

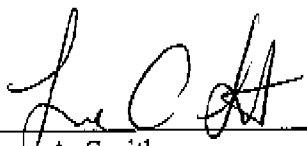
United States of America )

State of Pennsylvania ) ss.:County of Lehigh )

On this 29 day of October, 2006, before me personally came Gregory W. Sheets, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

Mobin 62-27-69-1

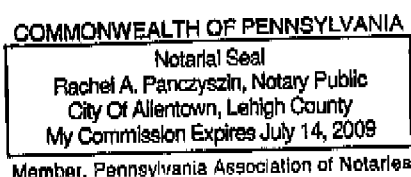
  
Lane A. Smith

Date: 10/30/2006

United States of America )

State of Pennsylvania) ss.:County of Lehigh )

On this 30 day of October, 2006, before me personally came Lane A. Smith, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



  
Notary Public

  
Paul H. Tracy

Date: 10/30/2006

United States of America )

State of Pennsylvania) ss.:County of Lehigh )

On this 30 day of October, 2006, before me personally came Paul H. Tracy, 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  
1300 Post Road, Suite 205  
Fairfield, CT 06824

