

06-08-2005

Di: 6/6/05



103017143

COVER SHEET

Y

See attached original documents or copy thereof.

To the Honorable Commission

1. Name of conveying party(ies):

Pervez Mirza Aziz - 10/7/2004
Donald Raymond Laturell - 10/7/2004
Mohammad Shafiu Mobin - 10/7/2004
Gregory W. Sheets - 10/7/2004
Lane A. Smith - 10/7/2004

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

DOCUMENT ID NO.: 102864702

Execution Date: **October 7, 2004 as noted above for each Inventor**

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

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)

B. Patent No. (s)

10/964,056

Additional numbers attached? Yes No

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

Name:

Joseph F. Posillico, Esquire
Synnestvedt & Lechner LLP
2600 Aramark Tower
1100 Market Street
Philadelphia, PA 19107-2950

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: 23-3040

(Attach duplicate copy of this page if paying by deposit account)

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.

Thomas J. Onka
Name of Person Signing

Signature

6/2/05
Date

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

Mail documents to be recorded with required cover sheet information to:

Commissioner for Patents, Box Assignments

P.O. Box 1450

Alexandria, VA 22313-1450

06/07/2005 ECDOPER 00000160 10964056

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40.00 OP

10-21-2004



ER SHEET

102864702

To the Honorable Commissioner of Patents and Trademarks, U.S. Department of Commerce, Patent and Trademark Office, Washington, DC 20514. Attached original documents or copy thereof.

10-12-04

1. Name of conveying party(ies):
 Pervez Mirza Aziz
 Donald Raymond Laturrell
 Mohammad Shafiq Mobin
 Gregory W. Sheets
 Lane A. Smith

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

19687 U.S. PTO
10/964056
101204

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

Execution Date: _____

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) **101964056** B. Patent No. (s)
 Additional numbers attached? Yes No

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Thomas J. Onka
 Name of Person Signing

Signature

10/12/04
 Date

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

Mail documents to be recorded with required cover sheet information to:
 Commissioner for Patents, Box Assignments
 P.O. Box 1450
 Alexandria, VA 22313-1450

ASSIGNMENT AND AGREEMENT

For value received, we, Pervez Mirza Aziz of Garland in the County of Dallas and State of Texas; Donald Raymond Laturell of Allentown in the County of Lehigh and State of Pennsylvania; Mohammad Shafiul Mobin of Whitehall in the County of Lehigh and the State of Pennsylvania; Gregory W. Sheets of Bangor in the County of Northampton and the State of Pennsylvania; and, Lane A. Smith of Easton in the County of Northampton 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, 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 for Training a Transceiver for High Speed Communications** described in an application for Letters Patent of the United States, executed by us of even date herewith, 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

Case Name: Aziz 14 56 43 1 28
Express Mail Cert.: EV 515 411 465 US

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.

Pervez Mirza Aziz
Pervez Mirza Aziz

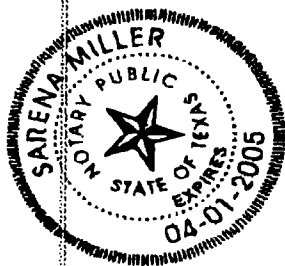
Date: Oct. 7, 2004

United States of America)

State of Texas) ss.: 461046611

City of Dallas)

On this 7th day of October, 2004, before me personally came Pervez Mirza Aziz, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



S. Miller
Notary Public

Case Name: Aziz 14 56 43 1 28
Express Mail Cert.: EV 515 411 465 US

Donald R Laturell
Donald Raymond Laturell

Date: 10/7/2004

United States of America)

State of Pennsylvania) ss.:
County of Lehigh)
City of

On this 7th day of October, 2004, before me personally came Donald Raymond Laturell, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Janet M. Garger
Notary Public

Notarial Seal
Janet M. Garger, Notary Public
Allentown, Lehigh County
My Commission Expires Dec. 28, 2004
Member, Pennsylvania Association of Notaries

Case Name: Aziz 14 56 43 1 28
Express Mail Cert.: EV 515 411 465 US

Mohammad Shafiq Mobin
Mohammad Shafiq Mobin

Date: 10/7/04

United States of America)

State of Pennsylvania) ss.:


County)
City of Lehigh)

On this 7 day of October, 2004, before me personally came Mohammad Shafiq Mobin, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Mary Ellen Dobish
Notary Public

Notarial Seal
Mary Ellen Dobish, Notary Public
Allentown, Lehigh County
My Commission Expires Nov. 6, 2004
Member, Pennsylvania Association of Notaries

Case Name: Aziz 14 56 43 1 28
Express Mail Cert.: EV 515 411 465 US



Gregory W. Sheets

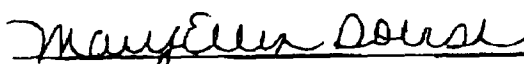
Date: 10/7/04

United States of America)

State of Pennsylvania) ss.:

COUNTY City of Lehigh)

On this 7 day of October, 2004, 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

Notarial Seal
Mary Ellen Dobleh, Notary Public
Allentown, Lehigh County
My Commission Expires Nov. 6, 2004
Member, Pennsylvania Association of Notaries

Case Name: Aziz 14 56 43 1 28
Express Mail Cert.: EV 515 411 465 US

Lane A. Smith
Lane A. Smith

Date: 10/7/04

United States of America)

State of Pennsylvania) ss.:

County of Allentown)

On this 7 day of October, 2004, 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.

Mary Ellen Dobish
Notary Public

Notarial Seal
Mary Ellen Dobish, Notary Public
Allentown, Lehigh County
My Commission Expires Nov. 6, 2004
Member, Pennsylvania Association of Notaries

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

ASSIGNMENT AND AGREEMENT

For value received, we, Pervez Mirza Aziz of Garland in the County of Dallas and State of Texas; Donald Raymond Laturell of Allentown in the County of Lehigh and State of Pennsylvania; Mohammad Shafiul Mobin of Whitehall in the County of Lehigh and the State of Pennsylvania; Gregory W. Sheets of Bangor in the County of Northampton and the State of Pennsylvania; and, Lane A. Smith of Easton in the County of Northampton 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, 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 for Training a Transceiver for High Speed Communications** described in an application for Letters Patent of the United States, executed by us of even date herewith, 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