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102821747

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

17302 U.S. PTO
10/9/9029



081604

1. Name of conveying party(ies):
MOBIN, Mohammad Shafiq
SAUNDERS, Jeffrey H.
SMITH, Lane A.

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

2. Name and address of receiving party(ies)
Name: Agere Systems Inc.
Internal Address: _____

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

Street Address: 1110 American Parkway NE
City: Allentown State: PA Zip: 18109

Execution Date: August 12, 2004

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

4. Application number(s) or patent number(s): 101919029

If this document is being filed together with a new application, the execution date of the application is: August 12, 2004

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Daniel J. Santos

Internal Address: _____

Street Address: 600 Village Trace, Suite 300

City: Marietta State: GA Zip: 30067

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: _____

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

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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.

Daniel J. Santos
Name of Person Signing

Daniel J. Santos
Signature

August 16, 2004
Date

Total number of pages including cover sheet, attachments, and documents: 5

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

08/18/2004 KBETEMA1 00000012 10919029

02 FC:8021

40.00 DP

ASSIGNMENT AND AGREEMENT

For value received, we, Mohammad Shafiul MOBIN of ^{orefield}Whitehall in the County of Lehigh and State of Pennsylvania, Jeffrey H. SAUNDERS of Andover in the County of Essex and State of Massachusetts, and Lane A. SMITH of Easton in the County of Northampton and 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 **"METHOD AND APPARATUS FOR PERFORMING DIGITAL PRE-DISTORTION"** 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 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.

Mobin

Mohammad Shafiul MOBIN

Date: 8/12/04

United States of America)

State of Pennsylvania ss.: 421

County of Lehigh)

On this 12th day of August, 2004, before me personally came Mohammad Shafiul MOBIN, 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

Jeffrey H. Saunders
Jeffrey H. SAUNDERS

Date: August 16, 2004

United States of America)

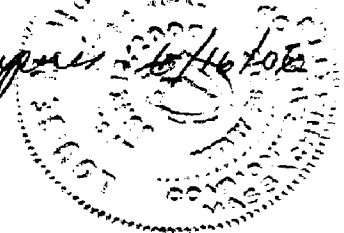
State of Massachusetts) ss.:

County of Essex)

On this 16th day of August, 2004, before me personally came Jeffrey H. SAUNDERS, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Louise M. Morrison
Notary Public

my commission expires 10/16/05



Lane A. Smith
Lane A. SMITH

Date: 8/12/2004

United States of America)

State of Pennsylvania) ss.:

County of Lehigh)

On this 12th day of August, 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.

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

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