

08-09-2005

FORM PTO-1595

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U.S. DEPARTMENT OF COMMERCE

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To the Honorable Commissioner of Patents and Trademarks

documents or copy thereof.

1. Name of conveying party(ies):
Muhammed Ayman Shibib and Shuming Xu

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

17548 U.S.P.T.O.
 10/920656
 081804

3. Nature of conveyance:
X Assignment ___ Merger **8-18-04**
 ___ Security Agreement ___ Change of Name
 ___ Other

Execution Date(s): **August 18, 2004**

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:
August 18, 2004

A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached? ___ Yes X No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: **Wayne L. Ellenbogen**
 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
X Authorized to be charged to deposit account

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

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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.

Wayne L. Ellenbogen Wayne L. Ellenbogen August 18, 2004
 Reg. No. 43,602 Signature Date

Total number of pages including cover sheet, attachments, and document: 4

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

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PATENT
 REEL: 016370 FRAME: 0313

ASSIGNMENT AND AGREEMENT

For value received, we, Muhammed Ayman Shibib, of Wyomissing in the County of Berks and State of Pennsylvania, and Shuming Xu, of Schnecksville in the County of Lehigh 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 **METAL-OXIDE-SEMICONDUCTOR DEVICE HAVING AN ENHANCED SHIELDING STRUCTURE** 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.

Muhammed Ayman Shibib
Muhammed Ayman Shibib

Date: August 18, 2004

United States of America)

State of Pennsylvania) ss.:

County of Lehigh)

On this 18th day of August, 2004, before me personally came Muhammed Ayman Shibib, 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

Shuming Xu
Shuming Xu

Date: Aug. 18. 2004

United States of America)

State of Pennsylvania) ss.:

County of Lehigh)

On this 18th day of August, 2004, before me personally came Shuming Xu, 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

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