

06/29/04

07-09-2004

FORM PTO-1595

RE:



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Patent and Trademark Office

102787052

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

1. Name of conveying party(ies):
Vivian Ryan and Richard Handly Shanaman, III

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

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

Execution Date(s): **6/28/04 and 6/29/04**

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

17497 U.S. PTO
10/879909



062904

4. Application number(s) or patent number(s): **101879909**
If this document is being filed together with a new application, the execution date of the application is:
6/28/04 and 6/29/04

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

Additional numbers attached? Yes No

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

Name: **Joseph B. Ryan**
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**

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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.

Joseph B. Ryan
Reg. No. 37,922

Signature

June 29, 2004
Date

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

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Ryan 24-7

PATENT
REEL: 015534 FRAME: 0608

ASSIGNMENT AND AGREEMENT

For value received, we, Vivian Ryan, of Hampton in the County of Hunterdon and State of New Jersey, and Richard Handly Shanaman, III, of Richland in the County of Lebanon 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 **HEAT SINK FORMED OF MULTIPLE METAL LAYERS ON BACKSIDE OF INTEGRATED CIRCUIT DIE** 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.

Vivian Ryan
Vivian Ryan

Date: 28 Jun 04

United States of America)

State of Pennsylvania) ss.:

County of Lehigh)

On this 28th day of June, 2004, before me personally came Vivian Ryan, 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

Richard Handly Shanaman, III
Richard Handly Shanaman, III

Date: 6-29-04

United States of America)

State of Pennsylvania) ss.:

County of Lehigh)

On this 29th day of June, 2004, before me personally came Richard Handly Shanaman, III, 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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