

Form PTO-1595
(Rev. 03/01)

**RECORDATION FORM COVER SHEET
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U.S. DEPARTMENT OF COMMERCE
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OMB No. 0651-0027 (exp. 5/31/2002)

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

1. Name of conveying party(ies):

Miron (NMI) Abramovici
John M. Emmert
Charles E. Stroud

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: 07/22/2002

2. Name and address of receiving party(ies)

Name: Agere Systems Inc.

Internal Address: _____

Street Address: 555 Union Boulevard

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) 10/189,640

B. Patent No.(s) _____

Additional numbers attached? Yes No

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

Name: Michael S. Hargis

Internal Address: 487-011

Street Address: 247 North Broadway

City: Lexington State: KY Zip: 40507

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41).....\$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

11-0978

DO NOT USE THIS SPACE

9. Signature.

Michael S. Hargis, Reg. No. 42,631
Name of Person Signing


Signature

9/5/02
Date

Total number of pages including cover sheet, attachments, and documents: 6

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

FORM PTO-1619C
Expires 06/30/99
OMB 0651-0027

RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Name (line 1)

Name (line 2)

Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)
City State/Country Zip Code

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)
City State/Country Zip Code

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

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Abramovici 27-5-19

ASSIGNMENT AND AGREEMENT

For value received, we, Miron (NMI) Abramovici of Berkeley Heights in the County of Union and State of New Jersey, John M. Emmert of Dayton in the County of Montgomery and State of Ohio and Charles E. Stroud of Charlotte in the County of Mechenburg and State of North Carolina hereby sell, assign and transfer to Agere Systems Inc., a corporation of the State of Delaware, having an office at 555 Union Boulevard, Allentown, Pennsylvania 18109, U.S.A., and its successors, assigns and legal representatives, 50% of the right, title and interest, and the University of North Carolina at Charlotte, a corporation of the state of North Carolina and having an office at 9201 University City Blvd., Charlotte, NC 28223, U.S.A. and its successors, assigns and legal representatives, 50% of the right, title and interest for the United States of America, in and to certain inventions related to **FAULT TOLERANT OPERATION OF FIELD PROGRAMMABLE GATE ARRAYS** 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. and the University of North Carolina at Charlotte (50% each) 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. and the University of North Carolina at Charlotte (50% each) to make application for such protection in their own names 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. and the University of North Carolina at Charlotte (50% each) 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. and the University of North Carolina at Charlotte (50%) in the United States and in all countries foreign to the United States, or to such nominees as Agere Systems Inc. and the University of North Carolina at Charlotte (50% each) may designate.

We agree that, when requested, we shall, without charge to Agere Systems

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Inc. or the University of North Carolina at Charlotte but at their 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.

Abm

Miron (NMI) Abramovici

Date: 7/22/2002

United States of America)

State of New Jersey) ss.:

City of Murray Hill)

On this 22 day of July, 2002, before me personally came Miron (NMI) Abramovici, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Diane C. Thomas

Notary Public

DIANE C. THOMAS
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires July 11, 2006

Abramovici 27-5-19

John M Emmert
John M. Emmert

Date: 15 July 2002

United States of America)

State of Ohio) ss.:

County of Montgomery)

On this 15th day of July, 2002, before me personally came John M. Emmert, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Christie D. Nelson
Notary Public

CHRISTIE D. NELSON, Notary Public
In and for the State of Ohio
My Commission Expires May 2, 2008



Abramovici 27-5-19

Charles E. Stroud
Charles E. Stroud

Date: July 9, 2002

United States of America)

State of NORTH CAROLINA) ss.:

County of IREDELL)

On this 9th day of July, 2002, before me personally came Charles E. Stroud, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Ruth Burnett
Notary Public
EXPIRES August 22, 2006