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01-19-2005



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To the Honorable Commissioner of F. Please record the attached original documents or copy thereof.

1.405

1. Name of conveying party(ies):
SONG, Hongwei
FEYH, German

2. Name and address of receiving party(ies)

Name: Agere Systems Inc.

Internal Address: _____

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

112948 U.S. PTO
11/029148

010405

3. Nature of conveyance:

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

Street Address: 1110 American Parkway NE

City: Allentown State: PA Zip: 18109

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

Execution Date: January 3, 2005

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: January 3, 2005

A. Patent Application No.(s)

B. Patent No.(s)

01/07/2005 SZEWDIE1 00000030 11029148

05 FC:8021

40.00 DP

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:

501513

(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.

Daniel J. Santos
Name of Person Signing

January 4, 2005
Date

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

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

ASSIGNMENT AND AGREEMENT

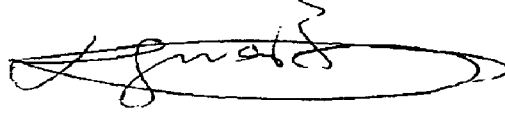
For value received, we, Hongwei SONG of Boulder in the County of Boulder and State of Colorado, and German FEYH of Boulder in the County of Boulder and State of Colorado, hereby sell, assign and transfer to Agere Systems Inc., a corporation of the State of Delaware, having an office at 1110 American 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 **"DATA DETECTION AND DECODING SYSTEM AND A METHOD OF DETECTING AND DECODING DATA"** 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.



Hongwei SONG

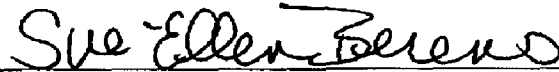
Date: 1/3/2005

United States of America)

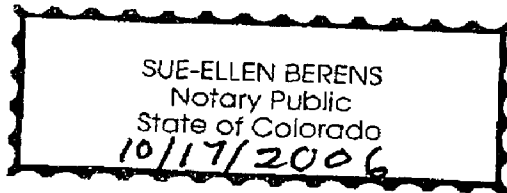
State of Colorado) ss.:

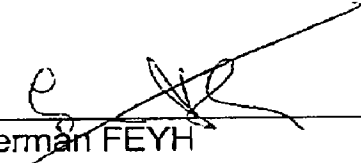
County of Boulder)

On this 3 day of JANUARY, 2005, before me personally came Hongwei SONG, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public





German FEYH


Date: 1/31 2005

United States of America)

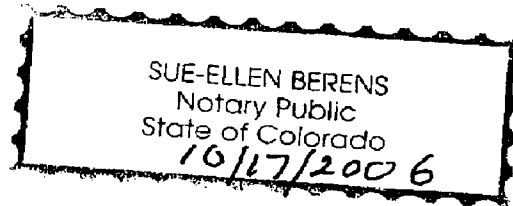
State of Colorado) ss.:

County of Boulder)

On this 3 day of January, 2005, before me personally came German FEYH, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public



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