

12-17-2008

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OMB No. 0651-0027 (exp. 7/31/2008)

DEC 15 2008



RECORDATION FORM COVER SHEET
PATENTS ONLY

103539913

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Ambalavanar Arulambalam; Jian-Guo Chen; Nevin Heintze; Qulan Gao Xu; Jun Chao Zhao

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 3/12/07; 3/14/07; 08/2/07

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

2. Name and address of receiving party(ies)

Name: Agere Systems, Inc.

Internal Address:

Street Address: 1110 American Parkway NE

City: Allentown

State: PA

Country: USA Zip: 18109

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/539,399

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

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

Name: Ian M. Hughes

Internal Address: IP Legal Services, LLC

Street Address: 1500 Lancaster Avenue, Suite 100

PO Box 1027

City: Paoli

State: PA Zip: 19301

Phone Number: 610-640-9350

Fax Number: 610-640-9353

Email Address: ipis@ip-legal-svcs.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☒ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers 1008

Expiration Date 11/10

b. Deposit Account Number 50-4386

Authorized User Name Ian M. Hughes

9. Signature:

Ian M. Hughes
Signature

12/15/08

Date

Ian M. Hughes

Name of Person Signing

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

7

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

12/16/2008 DBYRNE 00000002 504386 11539399
01 FC:0021 40.00 DA

DEC 15 2008

Arulambalam 9-6-16-2-2
[D8143-00399]**NUNC PRO TUNC
ASSIGNMENT AND AGREEMENT**

For value received, we, Ambalavanar Arulambalam, a United States citizen of Macungie in the County of Lehigh and State of Pennsylvania; Jian-Guo Chen, a United States citizen of Basking Ridge in the County of Somerset and State of New Jersey; Nevin C. Heintze, an Australian citizen residing in the city of Bethlehem in the County of Lehigh and State of Pennsylvania; Qian Gao Xu, a Chinese citizen, of the city of Shanghai in the country of China; and Jun Chao Zhao, a Chinese citizen, of the city of Shanghai in the country of China, 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, *nunc pro tunc* as of October 7, 2005, the entire right, title and interest, for the United States of America, in and to certain inventions related to **BUFFER MANAGEMENT METHOD AND SYSTEM WITH TWO THRESHOLDS** described in U.S. Non-Provisional Patent Application No. 11/539,399, filed October 6, 2006, 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.

DM2084653.1

PAGE 3/8 * RCVD AT 12/15/2008 10:51:36 AM [Eastern Standard Time] * SVR:USPTO-EFAX-6/41 * DNIS:2738300 * CSID: * DURATION (mm-ss):01-12

**PATENT
REEL: 022005 FRAME: 0028**

2

Arulambalam 9-6-16-2-2
[D8143-00399]

We agree that, when requested, we shall, without charge to Agere Systems Inc. but at its expenses, 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.

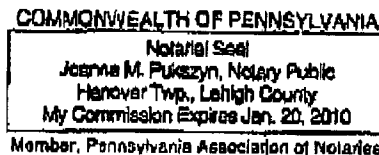
Ambalavanar Arulambalam
Ambalavanar Arulambalam

Date: March 12, 2007

United States of America)

State of Pennsylvania) ss.:County of Lehigh)

On this 12th day of March, 2007, before me personally came Ambalavanar Arulambalam, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.




Joanna M. Pukaszyn
Notary Public

DM2684853.1

PAGE 4/8 * RCVD AT 12/15/2008 10:51:36 AM [Eastern Standard Time] * SVR:USPTO-EFAXRF-6/41 * DNIS:2738300 * CSID: * DURATION (mm-ss):01-12

PATENT
REEL: 022005 FRAME: 0029

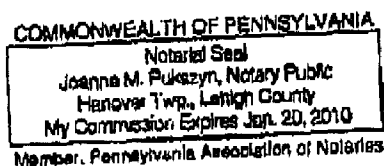
3

Anulambalam 9-8-16-2-2
[D8143-00399]
Jian-Guo ChenDate: 3/12/2007

United States of America)

State of Pennsylvania ss.:County of Lehigh)

On this 12th day of March, 2007, before me personally came Jian-Guo Chen, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

DM21684853.1

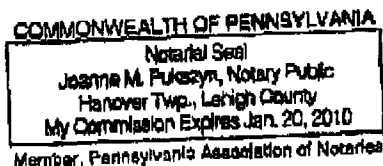
4

Anulambalam 9-6-16-2-2
[D8143-00399]Nevin C. Heintze
Nevin C. HeintzeDate: 14/MAR/2007

United States of America)

State of Pennsylvania) ss.:County of Lehigh)

On this 14th day of March, 2007, before me personally came Nevin C. Heintze, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Joanne M. Pukczyn
Notary Public

DM21064853,1

02/08 07 10:20 FAX 0086 21 50472233

03/15/2007 10:59 AGRE IP LAW * 912159791020

NO. 982 039

5

Anulambalam 9-6-16-2-2
[D8143-00399]

Qian Gao Xu
Qian Gao Xu

Date: Aug 2, 2007

People's Republic of China)

City of Shanghai) ss.:

Province of)

On this 2nd day of Aug, 2007, before me personally came Qian Gao Xu, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Henry Bernier
Notary Public

DM2894653.1

03/15/2007 10:59 AGERE IP LAW + 912159791020

NO. 982 P40

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Arutambalam 8-6-18-2-2
[D8143-00309]

Jun Chao Zhao
Jun Chao Zhao

Date: Aug 2, 2007

People's Republic of China)

City of Shanghai) ss.:

Province of)

On this 2nd day of Aug, 2007, before me personally came Jun Chao Zhao, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Huang Zhenmin
Notary Public

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

DM2008052.1