

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Nayak Ratnakar Aravind</td><td>02/04/2009</td></tr><tr><td>Richard Rauschmayer</td><td>02/12/2009</td></tr></tbody></table>	Name	Execution Date	Nayak Ratnakar Aravind	02/04/2009	Richard Rauschmayer	02/12/2009	
Name	Execution Date						
Nayak Ratnakar Aravind	02/04/2009						
Richard Rauschmayer	02/12/2009						
RECEIVING PARTY DATA							
Name:	Agere Systems Inc.						
Street Address:	1110 American Parkway NE						
City:	Allentown						
State/Country:	PENNSYLVANIA						
Postal Code:	18109						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12371906</td></tr></tbody></table>	Property Type	Number	Application Number:	12371906			
Property Type	Number						
Application Number:	12371906						
CORRESPONDENCE DATA							
Fax Number:	(303)265-9600						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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ATTORNEY DOCKET NUMBER:	AGERE-009400						
NAME OF SUBMITTER:	Douglas M. Hamilton						
Total Attachments: 3 source=ExecutedAssignmentAGERE-009400#page1.tif source=ExecutedAssignmentAGERE-009400#page2.tif							

OP \$40.00 12371906

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PATENT  
REEL: 022262 FRAME: 0712



## ASSIGNMENT AND AGREEMENT

For value received, we, Nayak Ratnakar Aravind of Lancaster, Pennsylvania; and Richard Rauschmayer of Longmont, 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 **Systems and Methods for Reduced Latency Loop Recovery** described in an application for Letters Patent of the United States, executed by me 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.

**Systems and Methods for Reduced Latency Loop Recovery**  
**Docket No.: Ratnakar Aravind 7-12**

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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.

R. A. Nayak  
Nayak Ratnakar Aravind

Date: 02/04/2009

Witness Signature: ashwini kamath mulki

Witness Name: ASHWINI KAMATH MULKI

Richard Rauschmayer

Date: \_\_\_\_\_

Witness Signature: \_\_\_\_\_

Witness Name: \_\_\_\_\_

**PATENT**

**REEL: 022262 FRAME: 0715**

**Systems and Methods for Reduced Latency Loop Recovery**  
Docket No.: Ratnakar Aravind 7-12

2

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.

\_\_\_\_\_  
**Nayak Ratnakar Aravind**

Date: \_\_\_\_\_

Witness Signature: \_\_\_\_\_

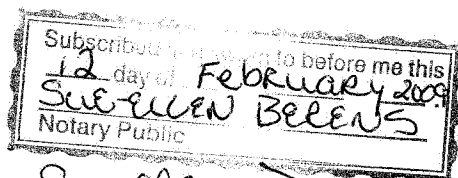
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Date: 2/12/2009

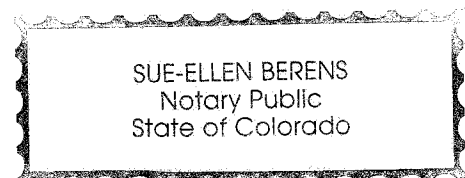
\_\_\_\_\_  
**Richard Rauschmayer**

Witness Signature: Keenan O'Brien

Witness Name: Keenan O'Brien



*Sue-ellen Berens*



*exp 10/17/2010*