

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Daniel Charles Kerr</td> <td>11/15/2004</td> </tr> <tr> <td>Michael Scott Carroll</td> <td>11/19/2004</td> </tr> <tr> <td>Amal Ma Hamad</td> <td>01/06/2005</td> </tr> <tr> <td>Thiet The Lai</td> <td>12/01/2004</td> </tr> <tr> <td>Roger W. Key</td> <td>11/17/2004</td> </tr> </tbody> </table>		Name	Execution Date	Daniel Charles Kerr	11/15/2004	Michael Scott Carroll	11/19/2004	Amal Ma Hamad	01/06/2005	Thiet The Lai	12/01/2004	Roger W. Key	11/17/2004
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<b>RECEIVING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>Agere Systems Inc.</td> </tr> <tr> <td><b>Street Address:</b></td> <td>1110 American Parkway, N.E.</td> </tr> <tr> <td><b>City:</b></td> <td>Allentown</td> </tr> <tr> <td><b>State/Country:</b></td> <td>PENNSYLVANIA</td> </tr> <tr> <td><b>Postal Code:</b></td> <td>18109</td> </tr> </table>		<b>Name:</b>	Agere Systems Inc.	<b>Street Address:</b>	1110 American Parkway, N.E.	<b>City:</b>	Allentown	<b>State/Country:</b>	PENNSYLVANIA	<b>Postal Code:</b>	18109		
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<b>PROPERTY NUMBERS Total: 1</b>													
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<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (972)480-8865</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 972-480-8800</p> <p>Email: liz.schumacher@hittgaines.com</p> <p>Correspondent Name: HITT GAINES, PC LSI Corporation</p> <p>Address Line 1: PO BOX 832570</p> <p>Address Line 4: RICHARDSON, TEXAS 75083</p>													
<b>ATTORNEY DOCKET NUMBER:</b>	CARROLL 20-8-24-9-4-US4												
<b>NAME OF SUBMITTER:</b>	Charles W. Gaines												

CH \$40.00 12727304

**501123971**

**PATENT**  
**REEL: 024106 FRAME: 0545**

Total Attachments: 6

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## ASSIGNMENT AND AGREEMENT

For value received, we, Daniel Charles Kerr, of Orlando, in the County of Orange and State of Florida, Michael Scott Carroll, of Orlando, in the County of Orange and State of Florida, Amal Ma Hamad, of Orlando, in the County of Orange and State of Florida, Thiet The Lai, of Orlando, in the County of Orange and State of Florida, and Roger W. Key, of Orlando, in the County of Orange and State of Florida hereby sell, assign and transfer to Agere Systems Inc., a corporation of the State of Delaware, having an office at 1110 American Parkway N.E., Allentown, Pennsylvania, 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 **MULTIPLE DOPING LEVEL BIPOLAR JUNCTIONS TRANSISTORS AND METHOD FOR FORMING** 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.

Daniel Charles Kerr  
Daniel Charles Kerr

Date: 11/15/04

United States of America )

State of Florida ) ss.:

County of Orange )

On this 15<sup>th</sup> day of November, 2004, before me personally came Daniel Charles Kerr, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Mary V Carter  
My Commission DD347715  
Expires September 20, 2008

Mary V Carter  
Notary Public

Michael Scott Carroll

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

United States of America )

State of Florida ) ss.:

County of Orange )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2004, before me personally came Michael Scott Carroll, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public

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.

\_\_\_\_\_  
Daniel Charles Kerr

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

United States of America )

State of \_\_\_\_\_ ) ss.:

County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2004, before me personally came Daniel Charles Kerr, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public

*Michael Scott Carroll*

Michael Scott Carroll

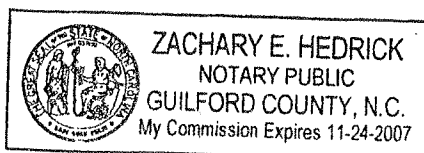
Date: 11/19/04

United States of America )

State of NC ) ss.:

County of GUILFORD )

On this 19 day of November, 2004, before me personally came Michael Scott Carroll, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



*Zachary E. Hedrick*  
Notary Public

Amal Ma Hamad  
Amal Ma Hamad

Date: 1/6/05

United States of America )

State of Florida ) ss.:

County of Orange )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2004, before me personally...  
came Amal Ma Hamad, to me known to be the individual described in and who  
executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public :

\_\_\_\_\_  
Thiet The Lai

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

United States of America )

State of Florida ) ss.:

County of Orange )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2004, before me personally  
came Thiet The Lai, to me known to be the individual described in and who  
executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public

Amal Ma Hamad

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

United States of America )

State of Florida ) ss.:

County of Orange )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2004, before me personally came Amal Ma Hamad, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

*Thiet The Lai*

Thiet The Lai

Date: 12/01/2004

United States of America )

State of Florida ) ss.:

County of Orange )



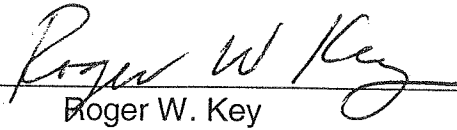
Mark Hoffmann  
My Commission DDS26898  
Expires June 07 2008

On this 1<sup>st</sup> day of December, 2004, before me personally came Thiet The Lai, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

FL DL: 2000-818-45-061-0  
Exp. 11/1/2008

*Mark Hoffmann*

Notary Public

  
Roger W. Key

Date: 17 Nov 2004

United States of America )

State of Florida ) ss.:

County of Orange )

On this 17<sup>th</sup> day of November, 2004, before me personally came Roger W. Key, 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 N.E.  
Allentown, PA 18109

PATENT