

## PATENT ASSIGNMENT

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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>Bardia Zandian</td> <td>12/14/2011</td> </tr> <tr> <td>Murali Annavaram</td> <td>12/14/2011</td> </tr> </tbody> </table>		Name	Execution Date	Bardia Zandian	12/14/2011	Murali Annavaram	12/14/2011
Name	Execution Date						
Bardia Zandian	12/14/2011						
Murali Annavaram	12/14/2011						
RECEIVING PARTY DATA							
Name:	University of Southern California						
Street Address:	USC Stevens Institute for Innovation						
Internal Address:	1150 South Olive Street, Suite 2300						
City:	Los Angeles						
State/Country:	CALIFORNIA						
Postal Code:	90015						
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>13327561</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13327561		
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Application Number:	13327561						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	Marc E. Brown						
Total Attachments: 2 source=695Assignment#page1.tif source=695Assignment#page2.tif							

CH \$40.00 13327561

**ASSIGNMENT**  
(Joint Inventors)

WHEREAS, we, Bardia ZANDIAN and Murali ANNAVARAM (“ASSIGNORS”) have invented “AUTOMATED DETECTION OF AND COMPENSATION FOR GUARDBAND DEGRADATION DURING OPERATION OF CLOCKED DATA PROCESSING CIRCUIT” (“Invention”) for which an application for a patent (“Application”) is being filed herewith; and which claims the benefit of U.S. Provisional Application Serial No. 61/423,770, filed December 16, 2010, entitled “METHOD AND APPARATUS FOR CONTINUOUS CIRCUIT RELIABILITY MONITORING USING SELF-MANAGED ADAPTIVE CRITICAL PATH TESTING,” attorney docket number 028080-0622;

WHEREAS, we are the joint inventors of the Invention;

WHEREAS, the University of Southern California, (ASSIGNEE) is a corporation organized and existing under the laws of California having a place of business at USC Stevens, Institute for Innovation, 1150 South Olive Street, Suite 2300, Los Angeles, CA 90015;

WHEREAS, ASSIGNEE desires to acquire the entire right, title and interest in and to the Invention and Application and to all patents based on the Application;

NOW, THEREFORE, for valuable consideration, the receipt and legal sufficiency of which ASSIGNORS acknowledge, ASSIGNORS have and hereby do assign and transfer to ASSIGNEE, its successors and assigns, the entire right, title and interest in and to:


1. The Invention;
2. The Application;
3. All applications based on or claiming priority from the Application, including all divisionals and continuations (“Application Family”);
4. All patents which may be granted on the Invention, Application and Application Family by the United States of America, its territories and possessions, and by all foreign countries, including all priority rights and all reissues thereof (“Patents”); and
5. The right to sue for past infringement of the Invention, Application, Application Family and Patents.

ASSIGNORS agree, at the request of ASSIGNEE, to sign any and all papers reasonably needed to file and prosecute the Application and Application Family, to obtain the Patents, and to perfect and vest in ASSIGNEE the entire right, title and interest in the Invention, Application, Application Family and Patents. ASSIGNORS also agree to provide assistance that is reasonably needed to prepare and prosecute the Application and Application Family.

ASSIGNORS authorize and empower ASSIGNEE, its successors and assigns, to apply for and obtain, in its own name, the Application, Application Family and Patents before competent International Authorities, including the World Intellectual Property Organization and

in any and all foreign countries in which applications for patents can be made or patents obtained.

Dated: Dec 14, 2011

  
\_\_\_\_\_  
Name: Bardia Zandian  
Address: 3740 McClintock Ave., EEB 201  
Los Angeles, CA 90089


I certify that I am over the age of 18 and that the individual named above signed this document in my presence.

JANICE THOMPSON            12/14/2011  
(Print) Name      Signature of Witness      Date

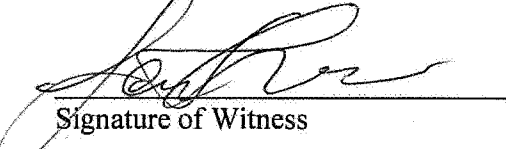
3740 McClintock Ave., EEB 200  
Los Angeles, CA 90089

\_\_\_\_\_  
Witness Address (Print or Type)

Dated: Dec 14<sup>th</sup>, 2011

  
\_\_\_\_\_  
Name: Murali Annavaram  
Address: 3740 McClintock Ave., EEB 232  
Los Angeles, CA 90089

I certify that I am over the age of 18 and that the individual named above signed this document in my presence.

JANICE THOMPSON            12/14/2011  
(Print) Name      Signature of Witness      Date

3740 McClintock Ave., EEB 200  
Los Angeles, CA 90089

\_\_\_\_\_  
Witness Address (Print or Type)