

## 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>Patrick Gallagher</td> <td>02/07/2013</td> </tr> <tr> <td>Krishna Chakravadhanula</td> <td>02/07/2013</td> </tr> <tr> <td>Rajesh Khurana</td> <td>02/07/2013</td> </tr> </tbody> </table>		Name	Execution Date	Patrick Gallagher	02/07/2013	Krishna Chakravadhanula	02/07/2013	Rajesh Khurana	02/07/2013
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Patrick Gallagher	02/07/2013								
Krishna Chakravadhanula	02/07/2013								
Rajesh Khurana	02/07/2013								
RECEIVING PARTY DATA									
Name:	Cadence Design Systems, Inc.								
Street Address:	2655 Seely Avenue								
City:	San Jose								
State/Country:	CALIFORNIA								
Postal Code:	95134								
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>13772245</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13772245				
Property Type	Number								
Application Number:	13772245								
CORRESPONDENCE DATA									
Fax Number:	3107728301								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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ATTORNEY DOCKET NUMBER:	C0156-1139								
NAME OF SUBMITTER:	Jeffrey A. Miller								
Total Attachments: 4 source=01139._Assign_2_22_12#page1.tif source=01139._Assign_2_22_12#page2.tif source=01139._Assign_2_22_12#page3.tif source=01139._Assign_2_22_12#page4.tif									

OP \$40.00 13772245

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made by Patrick Gallagher; Krishna Chakravadhanula; and Rajesh Khurana (hereinafter referred to as Assignors), residing at 18 Deborah Drive, Apalachin, New York, 13732; 4313 Fuller Hollow Road, Vestal, New York 13850; and A-54, Sector 19,, Noida-201301, INDIA, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in HIERARCHICAL COMPACTION FOR TEST PATTERN POWER GENERATION, set forth in a Patent application for Letters Patent of the United States, filed on February 20, 2013 as application Serial Number 13/772,245; and

**WHEREAS**, Cadence Design Systems, Inc., a Corporation organized under and pursuant to the laws of Delaware having its principal place of business at 2655 Seely Avenue, San Jose, California 95134 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property including all rights of priority, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

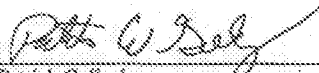
**AND** Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.


**AND** Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

DICKSTEIN SHAPIRO LLP

All practitioners at Customer Number 14079

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: 2/7/13 Signature:   
Patrick Gallagher

Date: 7<sup>th</sup> Feb, 2013 Signature:   
Krishna Chakravartanula

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Rajesh Khurana

All practitioners at Customer Number 14079

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Patrick Gallagher

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Kristina Chakravartiamis

Date: 07/11/2012 Signature: [Handwritten Signature]  
Rajesh Khurana

DOCID: 1069031

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