

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>Yuelin Du</td> <td>02/26/2013</td> </tr> <tr> <td>Gerard Luk-Pat</td> <td>02/26/2013</td> </tr> <tr> <td>Alexander Miloslavsky</td> <td>02/26/2013</td> </tr> <tr> <td>Benjamin Painter</td> <td>02/26/2013</td> </tr> <tr> <td>James Shiely</td> <td>05/31/2013</td> </tr> <tr> <td>Hua Song</td> <td>05/28/2013</td> </tr> </tbody> </table>		Name	Execution Date	Yuelin Du	02/26/2013	Gerard Luk-Pat	02/26/2013	Alexander Miloslavsky	02/26/2013	Benjamin Painter	02/26/2013	James Shiely	05/31/2013	Hua Song	05/28/2013
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RECEIVING PARTY DATA															
Name:	SYNOPSYS, INC.														
Street Address:	700 East Middlefield Road														
City:	Mountain View														
State/Country:	CALIFORNIA														
Postal Code:	94043														
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>13779466</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13779466										
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Application Number:	13779466														
CORRESPONDENCE DATA															
Fax Number:	6179798733														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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NAME OF SUBMITTER:	Michael Battig/R Dean Adams														

OP \$40.00 13779466

Signature:	/Michael Battig/
Date:	06/12/2013
Total Attachments: 7 source=SNP-013_130612_AsgExN0u#page1.tif source=SNP-013_130612_AsgExN0u#page2.tif source=SNP-013_130612_AsgExN0u#page3.tif source=SNP-013_130612_AsgExN0u#page4.tif source=SNP-013_130612_AsgExN0u#page5.tif source=SNP-013_130612_AsgExN0u#page6.tif source=SNP-013_130612_AsgExN0u#page7.tif	

ASSIGNMENT

WHEREAS, each of the undersigned inventor(s) ("Inventor(s)") has developed certain inventions ("Inventions") described in a U.S. patent application No. 13/779,466 filed 27-FEB-2013, and entitled:

DETECTION AND REMOVAL OF
SELF-ALIGNED DOUBLE PATTERNING ARTIFACTS

and has full right to convey his or her entire interest, both legal and equitable, in and to said Inventions free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

WHEREAS, Synopsys, Inc. ("ASSIGNEE"), an entity organized and existing under the laws of the state of California, and having a place of business at 700 East Middlefield Road, Mountain View, California 94043, is desirous of acquiring the entire right, title, and interest in and to the Inventions and any and all patents to be obtained therefore;


NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by each Inventor, each Inventor hereby sells, assigns and transfers unto the ASSIGNEE, its successors and assigns, his or her entire right, title and interest in and to the Inventions as described in the above application and all applications resulting therefrom, including any and all conversions, divisions, continuations, continuations-in-part, substitute applications, and reissues or extensions thereof; and all resulting patents in any jurisdiction worldwide; along with all rights to sue for past infringement.

AND each Inventor hereby authorizes and requests the issuing authority to issue any and all patents issuing from any of the forgoing to the ASSIGNEE or its successors and assigns.

AND each Inventor agrees that ASSIGNEE's representative, Adams Intellex, PLC having Patent Office Customer Number 85181, shall hereinafter act on behalf of the ASSIGNEE with respect to the Inventions.

AND, each Inventor further agrees, without any further payment or compensation by the ASSIGNEE or its successors and assigns, to communicate to the ASSIGNEE, its representatives or agents or its successors and assigns, any facts relating to the Inventions including evidence for interference purposes or for other legal proceedings whenever requested; to testify in any interference or other legal proceedings, whenever requested; to execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and to generally do everything possible to aid the ASSIGNEE, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for the Inventions in this or any foreign country.

The inventor(s) hereby authorize(s) the agents and attorneys associated with Patent Office Customer Number 85181 to insert hereon any further information necessary or desirable for recordation of this document.

<u>Inventor(s)</u>	<u>Date Signed</u>
 Yuelin Du	2/26/2013
Gerard Luk-Pat	
Alexander Miloslavsky	
Benjamin Painter	
James Shiely	
Hua Song	

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Inventor(s)

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Yuelin Du



2/26/13

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Alexander Miloslavsky

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Inventor(s)

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.....
Yuclin Du

.....
Gerard Luk-Pat

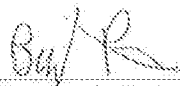
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..... Yuelin Du
..... Gerard Luk-Pat
..... Alexander Miloslavsky
.....  Benjamin Painter 3/26/2013
..... James Shieley
..... Hua Song

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_____ Yuelin Du	_____
_____ Gerard Luk-Pat	_____
_____ Alexander Miloslavsky	_____
_____ Benjamin Faluter	_____
_____ James Shiely	_____
_____ <i>Hua Song</i> Hua Song	_____ 5/28/13