

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>JAMIL KAWA</td> <td>08/30/2012</td> </tr> <tr> <td>VICTOR MOROZ</td> <td>08/30/2012</td> </tr> </tbody> </table>		Name	Execution Date	JAMIL KAWA	08/30/2012	VICTOR MOROZ	08/30/2012				
Name	Execution Date										
JAMIL KAWA	08/30/2012										
VICTOR MOROZ	08/30/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>SYNOPSYS, INC.</td> </tr> <tr> <td>Street Address:</td> <td>700 E. MIDDLEFIELD ROAD</td> </tr> <tr> <td>City:</td> <td>MOUNTAIN VIEW</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94043-4033</td> </tr> </table>		Name:	SYNOPSYS, INC.	Street Address:	700 E. MIDDLEFIELD ROAD	City:	MOUNTAIN VIEW	State/Country:	CALIFORNIA	Postal Code:	94043-4033
Name:	SYNOPSYS, INC.										
Street Address:	700 E. MIDDLEFIELD ROAD										
City:	MOUNTAIN VIEW										
State/Country:	CALIFORNIA										
Postal Code:	94043-4033										
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>13601394</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13601394						
Property Type	Number										
Application Number:	13601394										
CORRESPONDENCE DATA											
<p>Fax Number: 6507120263 Phone: 650-712-0340 Email: dbergin@hmbay.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: SYNOPSYS, INC. C/O HAYNES BEFFEL & WOLFE Address Line 1: P.O. BOX 366 Address Line 4: HALF MOON BAY, CALIFORNIA 94019</p>											
ATTORNEY DOCKET NUMBER:	SYNP 2070-1										
NAME OF SUBMITTER:	Warren S. Wolfeld										
<p>Total Attachments: 4 source=00338828#page1.tif source=00338828#page2.tif source=00338826#page1.tif source=00338826#page2.tif</p>											

OP \$40.00 13601394

JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

1. Victor Moroz, 17035 Bohlman Road, Saratoga, California, 95070, U.S.A.
2. Jamil Kawa, 484 Pine Bridge Place, Campbell, California 95008, U.S.A.

hereinafter termed "Inventors", have invented certain new and useful improvements in

**LATCH-UP SUPPRESSION AND SUBSTRATE NOISE COUPLING REDUCTION
THROUGH A SUBSTRATE BACK-TIE FOR 3D INTEGRATED CIRCUITS**
and

[✓] are filing a non-provisional application for a United States patent disclosing and identifying the above invention on _____ as Application No. _____.

[✓] have executed an oath or declaration of inventorship for such non-provisional application on:

(1) the 30th day of August, 2012;

(2) the _____ day of _____, 2012;

(hereinafter termed "application"); and

WHEREAS, SYNOPSIS, INC., a corporation of Delaware, having a place of business at 700 E. Middlefield Road, Mountain View, CA 94043-4033 (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee;

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said applications and said invention; (b) in and to all rights to apply for foreign patents (including patent, utility model and industrial design) on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise, including the right to claim priority from the applications; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extension of any of said patents.

2. Said Inventors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said application; (c) for filing and prosecuting substitute, divisional, continuing or additional application covering said invention; (d) for filing and prosecuting application for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any application therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, the Inventors' respective heirs, legal representatives and assigns.

4. Said Inventors hereby warrant and represent that said Inventors have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

5. Said Inventors hereby authorize any of the following attorneys and agents: Mark A. Haynes, Ernest J. Beffel, Jr., Warren S. Wolfeld, James F. Hann, Kenta Suzue, Ryan Davis and Yiding Wu to (a) insert the date of execution of the oath or declaration of inventorship, and (b) insert the application number and filing date of this application when known.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the date written below.



VICTOR MOROZ

Date: 8/30/12

JAMIL KAWA

Date: _____

JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

1. Victor Moroz, 17035 Bohlman Road, Saratoga, California, 95070, U.S.A.
2. Jamil Kawa, 484 Pine Bridge Place, Campbell, California 95008, U.S.A.

hereinafter termed "Inventors", have invented certain new and useful improvements in

LATCH-UP SUPPRESSION AND SUBSTRATE NOISE COUPLING REDUCTION THROUGH A SUBSTRATE BACK-TIE FOR 3D INTEGRATED CIRCUITS

and

[✓] are filing a non-provisional application for a United States patent disclosing and identifying the above invention on _____ as Application No. _____.

[✓] have executed an oath or declaration of inventorship for such non-provisional application on:

(1) the _____ day of _____, 2012;

(2) the 30th day of AUG, 2012;

(hereinafter termed "application"); and

WHEREAS, SYNOPSIS, INC., a corporation of Delaware, having a place of business at 700 E. Middlefield Road, Mountain View, CA 94043-4033 (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said applications and said invention; (b) in and to all rights to apply for foreign patents (including patent, utility model and industrial design) on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise, including the right to claim priority from the applications; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extension of any of said patents.

2. Said Inventors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said application; (c) for filing and prosecuting substitute, divisional, continuing or additional application covering said invention; (d) for filing and prosecuting application for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any application therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, the Inventors' respective heirs, legal representatives and assigns.

4. Said Inventors hereby warrant and represent that said Inventors have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

5. Said Inventors hereby authorize any of the following attorneys and agents: Mark A. Haynes, Ernest J. Beffel, Jr., Warren S. Wolfeld, James F. Hamm, Kenta Suzue, Ryan Davis and Yiding Wu to (a) insert the date of execution of the oath or declaration of inventorship, and (b) insert the application number and filing date of this application when known.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the date written below.

VICTOR MOROZ

Date: _____

J. Kawa

JAMIL KAWA

Date: 8/30/2012