

## 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>Yang-Shan Tong</td><td>05/28/2008</td></tr><tr><td>Daniel Zhang</td><td>05/27/2008</td></tr><tr><td>Linni Wei</td><td>05/28/2008</td></tr><tr><td>Alex Miloslavsky</td><td>05/30/2008</td></tr><tr><td>Wei-Chih Tseng</td><td>05/28/2008</td></tr><tr><td>Zongwu Tang</td><td>05/29/2008</td></tr></tbody></table>	Name	Execution Date	Yang-Shan Tong	05/28/2008	Daniel Zhang	05/27/2008	Linni Wei	05/28/2008	Alex Miloslavsky	05/30/2008	Wei-Chih Tseng	05/28/2008	Zongwu Tang	05/29/2008	
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Alex Miloslavsky	05/30/2008														
Wei-Chih Tseng	05/28/2008														
Zongwu Tang	05/29/2008														
RECEIVING PARTY DATA															
Name:	Synopsys, Inc.														
Street Address:	700 E. 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>12129617</td></tr></tbody></table>	Property Type	Number	Application Number:	12129617											
Property Type	Number														
Application Number:	12129617														
CORRESPONDENCE DATA															
Fax Number:	(530)759-1665														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	530-759-1663														
Email:	edward@parklegal.com														
Correspondent Name:	Edward J. Grundler														
Address Line 1:	Park, Vaughan & Fleming, LLP														
Address Line 2:	2820 Fifth Street														
Address Line 4:	Davis, CALIFORNIA 95618														
ATTORNEY DOCKET NUMBER:	SNPS-1054														

OP \$40.00 12129617

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PATENT  
REEL: 021201 FRAME: 0015

NAME OF SUBMITTER:

Edward J. Grundler, Reg. No. 47,615

Total Attachments: 10

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## CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

Yang-Shan Tong	3F., No. 8-2, Alley 2, Lane 50, Sec. 3, Shiu-Lang Road, Chung-ho, Taipei County, Taiwan
Daniel Zhang	1738 Butano Drive, Milpitas, CA 95035
Linni Wei	318 Farley Street, Mountain View, CA 94043
Alex Miloslavsky	1339 Turnstone Way, Sunnyvale, CA 94087
Wei-Chih Tseng	45138 Cougar Circle, Fremont, CA 94539
Zongwu Tang	4355 Diavila Avenue, Pleasanton, CA 94588

hereinafter termed "Inventor(s)", have invented certain new and useful improvements in

*METHOD AND SYSTEM FOR POST-ROUTING LITHOGRAPHY-HOTSPOT CORRECTION OF A LAYOUT*

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention:

\_\_\_\_ On the \_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_;

Or

X Said application having Application Number 12/129,617 and filed on 29 May 2008; and

WHEREAS, Synopsys, Inc. a corporation of the State 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 jointly or severally by said Inventor(s) (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 Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (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 extensions of any of said patents.

2. Said Inventor(s) hereby jointly and severally 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 Inventor(s) 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

Attorney Docket No. SNPS-1054

right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications 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 applications 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 Inventor(s) 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 Inventor(s), their respective heirs, legal representatives and assigns.

4. Said Inventor(s) hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

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

Yang-Shan Tong  
Yang-Shan Tong

May 28, 2008  
Date

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

On \_\_\_\_\_, before me, \_\_\_\_\_,  
personally appeared Yang-Shan Tong,  
who proved to me on the basis of satisfactory evidence to be the  
person(s) whose name(s) is/are subscribed to the within instrument  
and acknowledged to me that he/she/they executed the same in  
his/her/their authorized capacity(ies), and that by his/her/their  
signature(s) on the instrument the person(s), or the entity upon  
behalf of which the person(s) acted, executed the instrument.

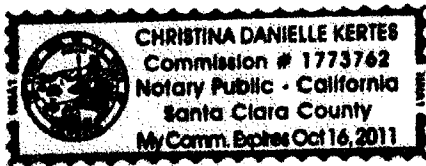
I certify under PENALTY OF PERJURY under the laws of the  
State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

\_\_\_\_\_  
(Signature of Notary Public)

Daniel Zhang  
Daniel Zhang

5/27/08  
Date



State of California,  
County of Santa Clara,  
On 5/27/08 before me, Christina Kertes, Notary Public,  
personally appeared Daniel Zhang,  
who proved to me on the basis of satisfactory evidence to be the  
person(s) whose name(s) is/are subscribed to the within instrument  
and acknowledged to me that he/she/they executed the same in  
his/her/their authorized capacity(ies), and that by his/her/their  
signature(s) on the instrument the person(s), or the entity upon  
behalf of which the person(s) acted, executed the instrument.

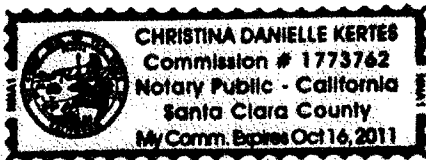
I certify under PENALTY OF PERJURY under the laws of the  
State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Christina D. Kertes  
(Signature of Notary Public)

Linni Wei  
Linni Wei

05/28/2008  
Date




State of California,  
County of Santa Clara,  
On 5/28/08 before me, Christina Kertes, Notary Public,  
personally appeared Linni Wei,  
who proved to me on the basis of satisfactory evidence to be the  
person(s) whose name(s) is/are subscribed to the within instrument  
and acknowledged to me that he/she/they executed the same in  
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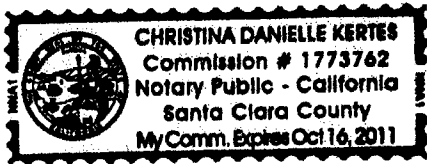
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State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Christina D. Kertes  
(Signature of Notary Public)

  
Alex Miloslavsky

Date 5/30/08



State of California )  
County of Santa Clara )  
On 5/30/08 before me, Christina Kertes Notary Public,  
personally appeared Alex Miloslavsky,  
who proved to me on the basis of satisfactory evidence to be the  
person(s) whose name(s) is/are subscribed to the within instrument  
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(Signature of Notary Public)

(Signature of Notary Public)

State of \_\_\_\_\_  
County of \_\_\_\_\_

## Wei-Chih Tseng

Date \_\_\_\_\_

On \_\_\_\_\_, before me, \_\_\_\_\_,  
personally appeared Wei-Chih Tseng,  
who proved to me on the basis of satisfactory evidence to be the  
person(s) whose name(s) is/are subscribed to the within instrument  
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WITNESS my hand and official seal.

(Signature of Notary Public)

State of )

County of )

\_\_\_\_\_  
Zongwu Tang

\_\_\_\_\_  
Date

On \_\_\_\_\_, before me, \_\_\_\_\_,  
personally appeared Zongwu Tang,  
who proved to me on the basis of satisfactory evidence to be the  
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IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below.

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

\_\_\_\_\_  
Yang-Shan Tong

On \_\_\_\_\_, before me, \_\_\_\_\_,  
personally appeared Yang-Shan Tong,  
who proved to me on the basis of satisfactory evidence to be the  
person(s) whose name(s) is/are subscribed to the within instrument  
and acknowledged to me that he/she/they executed the same in  
his/her/their authorized capacity(ies), and that by his/her/their  
signature(s) on the instrument the person(s), or the entity upon  
behalf of which the person(s) acted, executed the instrument.

\_\_\_\_\_  
Date

I certify under PENALTY OF PERJURY under the laws of the  
State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

\_\_\_\_\_  
(Signature of Notary Public)

State of )  
 )  
County of )

\_\_\_\_\_  
Daniel Zhang

On \_\_\_\_\_, before me, \_\_\_\_\_,  
personally appeared Daniel Zhang,  
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(Signature of Notary Public)

State of )  
 )  
County of )

\_\_\_\_\_  
Linni Wei

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

\_\_\_\_\_  
Alex Miloslavsky

\_\_\_\_\_  
Date

On \_\_\_\_\_, before me, \_\_\_\_\_,  
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State of California )  
County of Santa Clara )

Wei-Chih Tseng  
Wei-Chih Tseng

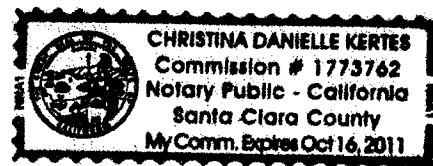
05/28/08  
Date


On 5/28/08, before me Christina Kertes, Notary Public,  
personally appeared Wei-Chih Tseng,  
who proved to me on the basis of satisfactory evidence to be the  
person(s) whose name(s) is/are subscribed to the within instrument  
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Christina D. Kertes  
(Signature of Notary Public)



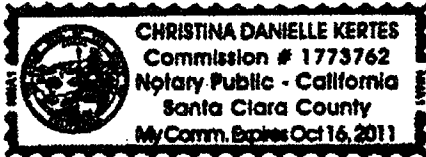
  
\_\_\_\_\_  
Zongwu Tang

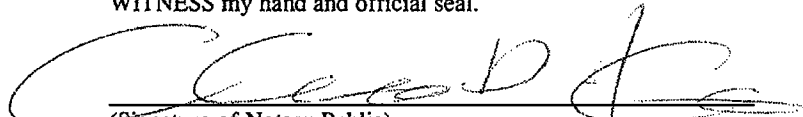
~~May 30 2008~~  
Date  
T.Z. May 29, 2008

State of California )  
County of Santa Clara )  
On 5/29/08, before me, Christina Kertes, Notary Public,  
personally appeared Zongwu Tang,  
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