

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT																
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT																
<b>CONVEYING PARTY DATA</b>																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hung-Chun Chien</td> <td>05/21/2008</td> </tr> <tr> <td>Ben Mathew</td> <td>05/22/2008</td> </tr> <tr> <td>Padmashree Takkars</td> <td>05/20/2008</td> </tr> <tr> <td>Bang Liu</td> <td>05/21/2008</td> </tr> <tr> <td>Chang-Wei Tai</td> <td>05/21/2008</td> </tr> <tr> <td>Xiao-Ming Xiong</td> <td>05/21/2008</td> </tr> <tr> <td>Gary K. Yeap</td> <td>05/21/2008</td> </tr> </tbody> </table>		Name	Execution Date	Hung-Chun Chien	05/21/2008	Ben Mathew	05/22/2008	Padmashree Takkars	05/20/2008	Bang Liu	05/21/2008	Chang-Wei Tai	05/21/2008	Xiao-Ming Xiong	05/21/2008	Gary K. Yeap	05/21/2008
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Xiao-Ming Xiong	05/21/2008																
Gary K. Yeap	05/21/2008																
<b>RECEIVING PARTY DATA</b>																	
<b>Name:</b>	Synopsys, Inc.																
<b>Street Address:</b>	700 East Middlefield Road, Bldg. C.																
<b>City:</b>	Mountain View																
<b>State/Country:</b>	CALIFORNIA																
<b>Postal Code:</b>	94043																
<b>PROPERTY NUMBERS Total: 1</b>																	
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td><b>Application Number:</b></td> <td>12123209</td> </tr> </tbody> </table>		Property Type	Number	<b>Application Number:</b>	12123209												
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<b>Application Number:</b>	12123209																
<b>CORRESPONDENCE DATA</b>																	
<b>Fax Number:</b>	(408)200-0930																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
<b>Phone:</b>	408-451-5907																
<b>Email:</b>	bbaumann@beverlaw.com																
<b>Correspondent Name:</b>	BEVER, HOFFMAN & HARMS, LLP																
<b>Address Line 1:</b>	2099 GATEWAY PLACE																
<b>Address Line 2:</b>	SUITE 320																
<b>Address Line 4:</b>	SAN JOSE, CALIFORNIA 95110																
<b>ATTORNEY DOCKET NUMBER:</b>	SYN-1025																

**OP \$40.00 12123209**

**PATENT**

**500555330**

**REEL: 021030 FRAME: 0749**

NAME OF SUBMITTER:

Jeanette S. Harms

**Total Attachments: 7**

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ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

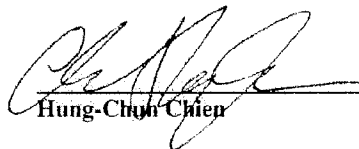
<u>Hung-Chun Chien</u>	of <u>1035 Aster Ave., Apt. 3140 Sunnyvale, CA 94086</u>
<u>Ben Mathew</u>	of <u>3517 Matagorda Springs Dr. Plano, TX 75025</u>
<u>Padmashree Takkars</u>	of <u>15744 NW Wismer Dr. Portland, OR 97229</u>
<u>Bang Liu</u>	of <u>15F, Zhao Feng Plaza No. 1027 Changning Road Shanghai, China P.R.</u>
<u>Chang-Wei Tai</u>	of <u>47 Doud Drive Los Altos, CA 94022</u>
<u>Xiao-Ming Xiong</u>	of <u>762 Los Pinos Place Fremont, CA 94539</u>
<u>Gary K. Yeap</u>	of <u>61 Lima Terrace, Fremont CA 94539</u>

hereby sell, assign and transfer to **Synopsys, Inc.**, a Delaware corporation, having a place of business at 700 East Middlefield Rd., Bldg. C., Mountain View, CA 94043, its successors and assigns, the entire right, title and interest throughout the world in our invention in

**“DESIGN-FOR-TEST-AWARE HIERARCHICAL DESIGN PLANNING”**

for which United States Patent Application Serial No. 12/123,209 was filed on May 19, 2008, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request the Commissioner of Patents and Trademarks to issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 21 day of May, 2008.

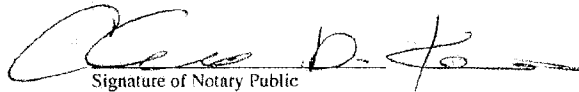
  
Hung-Chun Chien

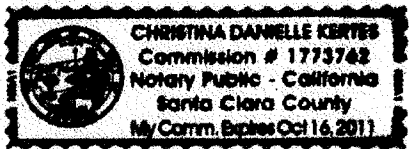
State of California  
County of Santa Clara

On 5/21/08 before me, Christina Kertes, Notary Public, personally appeared Hung-Chun Chien who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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



Docket No. SYN-1025

Executed this 22<sup>nd</sup> day of May, 2008.

Ben Mathew  
Ben Mathew

State of Texas )  
County of Collin )

On 22 May, 2008 before me, BEN MATHEW, personally appeared Ben Mathew who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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.



Margie R. Bailey  
Signature of Notary Public

Executed this 2 day of \_\_\_\_\_, 2008.

\_\_\_\_\_  
Padmeshree Takkars

State of California )  
County of Santa Clara )

On \_\_\_\_\_ before me, \_\_\_\_\_, personally appeared Padmeshree Takkars who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

\_\_\_\_\_  
Bang Liu

Signature Witness 1: \_\_\_\_\_  
(Print name)

Signature Witness 2: \_\_\_\_\_  
(Print name)

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

Ben Mathew

State of California )  
County of Santa Clara )

On \_\_\_\_\_ before me, \_\_\_\_\_, personally appeared Ben Mathew who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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

Executed this 20 day of May, 2008.

T. Padmashree  
**Padmashree Takkars**

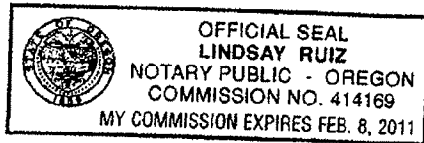
State of Oregon )  
County of Washington )

On May 20th 2008 before me, Lindsay Ruiz, personally appeared Padmashree Takkars who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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.

Lindsay Ruiz  
Signature of Notary Public



Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

Bang Liu

Signature Witness 1: \_\_\_\_\_  
(Print name)

Signature Witness 2: \_\_\_\_\_  
(Print name)



Executed this 21 day of May, 2008.

Chang-Wei Tai  
Chang-Wei Tai

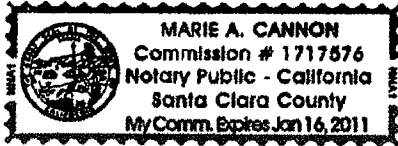
State of California )  
County of Santa Clara )

On 5-21-08 before me, Marie A. Cannon, personally appeared Chang-Wei Tai who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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.

Marie A. Cannon  
Signature of Notary Public



Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

\_\_\_\_\_  
Xiao-Ming Xiong

State of California )  
County of Santa Clara )

On \_\_\_\_\_ before me, \_\_\_\_\_, personally appeared Xiao-Ming Xiong who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

Chang-Wei Tai

State of California )  
County of Santa Clara )

On \_\_\_\_\_ before me, \_\_\_\_\_, personally appeared Chang-Wei Tai who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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

Executed this 21 day of May, 2008.

Xiao-Ming Xiong  
Signature of Notary Public

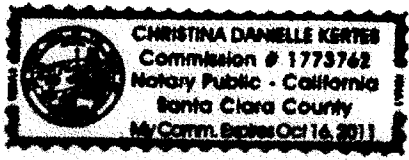
State of California )  
County of Santa Clara )

On 5/21/2008 before me, Christina Kertes, Notary Public, personally appeared Xiao-Ming Xiong who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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 Kertes  
Signature of Notary Public





Executed this 21 day of MAY, 2008.

Gary K. Yeap  
Gary K. Yeap

State of California )

County of Santa Clara )

On 5/21/2008 before me, Christina Kertes, Notary Public, personally appeared Gary K. Yeap who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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

