

7.1405



FORM PTO-1595

1-31-92

103045420

COVER SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof.

113014 U.S. PTO
11/182100
071405

1. Name of conveying party(ies):
Pei-Hsin Ho, Yongseok Cheon, Qinke Wang
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
Name: Synopsys, Inc.
Street Address: 700 E. Middlefield Rd.
City: State: Zip: Mountain View, CA 94043-4033

3. Nature of conveyance:
 Assignment in duplicate Merger
 Security Agreement Change of Name
 Other
Execution Date: 08 July 2005

Additional name(s) & address(es) attached?
 Yes No

4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is: 08 July 2005
A. Patent Application No.(s): B. Patent No.(s):
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: A. Richard Park
Park, Vaughan & Fleming LLP
2820 Fifth Street
Davis, CA 95616
Attorney Docket No.: SNPS-0640

6. Total number of applications and patents involved: [1]
7. Total fee (37 CFR 3.41) \$40.00
 Enclosed
 Authorized to be charged to deposit account
8. Deposit account number:

DO NOT USE THIS SPACE

9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

A. Richard Park
Name of Person Signing

Signature

14 July 2005
Date

Total number of pages including cover sheet, attachments and document: [7]

#corporate power of attorney

07/19/2005 EHAILE1 00000035 11182100

05 FC:8021

40.00 DP

CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

Pei-Hsin Ho	14047 NW Meadowridge Drive, Portland, OR 97229
Yongseok Cheon	3634 NW Talamore Terrace, Portland, OR 97229
Qinke Wang	3827-E Miramar St., La Jolla, CA 92037

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

METHOD AND APPARATUS FOR REDUCING POWER CONSUMPTION IN AN INTEGRATED CIRCUIT CHIP

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

 X On the 8th day of July , 2005 ;

Or

 Said application having Application Number and filed on ; 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 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.

State of Oregon)
County of Washington)

Pei-Hsin Ho
Pei-Hsin Ho

On 07-08-05, before me, KATHY E ISRAEL,
personally appeared Pei-Hsin Ho,

personally known to me or 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.

July 8, 2005
Date

WITNESS my hand and official seal.



Kathy E Israel
(Notary Public)

State of Oregon)
)
County of WASHINGTON)

[Signature]
Yongseok Cheon

On 07-03-05, before me, KATHY E ISRAEL,
personally appeared Yongseok Cheon,

personally known to me or 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.

July 8, 2005
Date



WITNESS my hand and official seal.

[Signature]
(Notary Public)

State of _____)
)
County of _____)

Qinke Wang

On _____, before me, _____,
personally appeared Qinke Wang,

personally known to me or 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.

Date

WITNESS my hand and official seal.

(Notary Public)

CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

Pei-Hsin Ho	14047 NW Meadowridge Drive, Portland, OR 97229
Yongseok Cheon	3634 NW Talamore Terrace, Portland, OR 97229
Qinke Wang	3827-E Miramar St., La Jolla, CA 92037

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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 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.

State of _____)
County of _____)

Pei-Hsin Ho

On _____, before me, _____,
personally appeared Pei-Hsin Ho,

personally known to me or 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.

Date

WITNESS my hand and official seal.

(Notary Public)

State of _____)
County of _____)

Yongseok Cheon

On _____, before me, _____,
personally appeared Yongseok Cheon,

personally known to me or 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.

Date

WITNESS my hand and official seal.

(Notary Public)

State of California)
County of San Diego)

Qinke Wang
Qinke Wang

On 7/5/05, before me, Steven J. Schumacher,
personally appeared Qinke Wang,

personally known to me or 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.

7/5/2005
Date

WITNESS my hand and official seal.

Steven J. Schumacher
(Notary Public)

