FORM PTO-1595

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VER 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. 2. Name and address of receiving party(ies): Name of conveying party(ies): Jianfeng Luo, Subarnarekha Sinha, Qing Su, Charles C. Chiang Name:. Synopsys, Inc. Street Address: 700 E. Middlefield Rd. City: State: Zip: Mountain View, CA 94043-Additional name(s) of conveying party(ies) attached? [] Yes [X] No 4033 3. Nature of conveyance: Additional name(s) & address(es) attached? [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Yes [X] No [] Other **Execution Date:** 13 January 2006 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: 13 January 2006 A. Patent Application No.(s): B. Patent No.(s): Additional numbers attached? [] Yes [] No 5. Name and address of party to whom correspondence concerning 6. Total number of applications and patents document should be mailed: involved: [1] 7. Name: A. Richard Park [X] Enclosed Park, Vaughan & Fleming LLP [] Authorized to be charged to deposit account 2820 Fifth Street Davis, CA 95616 8. Deposit account number: Attorney Docket No.: SNPS-0879 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 24 January 2006 Name of Person Signing Date Total number of pages including cover sheet, attachments and document: [5]

#corporate power of attorney

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متزد ما فالمال الأله

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PATENT REEL: 017504 FRAME: 0779

CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

Jianfeng Luo Subarnarekha Sinha Qing Su Charles C. Chiang 38000 Camden Street #33, Fremont, CA 94536 1031 Foster City Blvd. Apt. C, Foster City, CA 94404 936 Cambridge Avenue, Sunnyvale, CA 94087 5526 Greenoak Drive, San Jose, CA 95129

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

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

PREDICTING IC MANUFACTURING YIELD BY CONSIDERING BOTH SYSTEMATIC AND RANDOM INTRA-DIE PROCESS VARIATIONS

<u>X</u>	On the 13th day	of <u>January</u> ,	2006;
	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

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PATENT REEL: 017504 FRAME: 0780 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.

Janfeng Luo

1/13/2006

Date

DOROTHY L. LEVIN

Commission # 1557671

Notary Public - California
Santa Clara County

My Comm. Expires Mar 10, 2009

State of CALIFORNIA

County of Smuta Clause

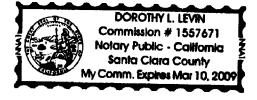
On A JAN 2006, before me, Doves Thy l. Cerru, personally appeared Jianfeng Luo,

× 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.

WITNESS my hand and official seal.

(Notary Public)

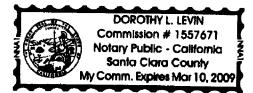
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Subarnarekha Sinha	
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State of CAUfornia)			
County of Santa CLARA)			
On 13 5AM 2006 before me, Donothy C. Levin			
personally appeared Subarnarekha Sinha,			

× 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.

WITNESS my hand and official seal.

(Notary Public)

State of Cautounic)
County of Sorta CLAUA)

On 13 Jan sol before me, Dowythy L. Leviu personally appeared Qing Su,

X 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.

WITNESS my hand and official seal.

(Notary Public)/

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Charles C. Chiang	On 13 JAM 2006 before me, Dono Hley (. Cevin, personally appeared Charles C. Chiang,	
Date DOROTHY L. LEVIN	Legislature 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.	
Commission # 1557671 Notary Public - California \$ Santa Clara County My Comm. Expires Mar 10, 2009	WITNESS my hand and official seal. (Notary Public)	
	State of) County of)	
Date	On, before me,	
	(Notary Public)	

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PATENT REEL: 017504 FRAME: 0783

RECORDED: 01/24/2006