

3/17/05

04-01-2005



Attorney Docket No. SNPS-0649

FORM PTO-1595

1-31-92

102971404
RECORDATION FORM COVER SHEET
PATENTS ONLY

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.

1. Name of conveying party(ies):
Lawrence S. Melvin III, James P. Shiely, Qiliang Yan

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: March 15, 2005

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

Additional name(s) & address(es) attached?

☐ Yes ☒ No

13268 U.S. PTO
11/083656

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: **March 15, 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-0649

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

March 17, 2005
Date

Total number of pages including cover sheet, attachments and document: [4]

03/22/2005 FFANNEIA 00000043 11083656

05 FC:8021

(40.00 DP)

CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

Lawrence S. Melvin III
James P. Shiely
Qiliang Yan

2673 NE Lindsey Drive, Hillsboro, OR 97124
7200 SW 189th Street, Aloha, OR 97007
7052 NE Ronler Way #2926, Hillsboro, OR 97124

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

*METHOD AND APPARATUS FOR IDENTIFYING A MANUFACTURING PROBLEM AREA IN A LAYOUT USING A GRADIENT-MAGNITUDE OF A
PROCESS-SENSITIVITY MODEL*

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

 X On the 15th day of March , 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

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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.

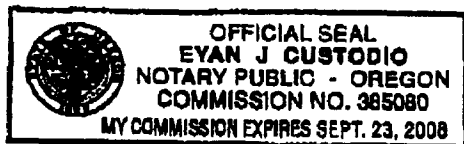
State of OregonCounty of Washington

On 3/11/05, before me, Eyan J. Custodio,
personally appeared Lawrence S. Melvin III,

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.

Eyan J. Custodio
(Notary Public)

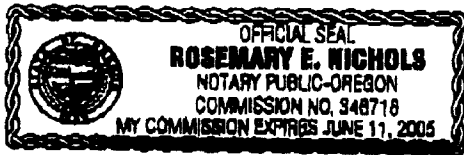


3/11/05
Date

Attorney Docket No. SNPS-0649

James P. Shiely
James P. Shiely

3-15-05
Date



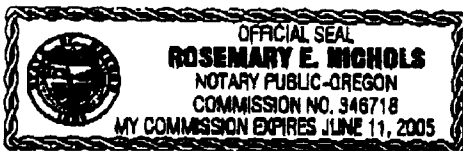
State of Oregon
County of Washington
On March 15, 2005, before me, Rosemary E. Nichols,
personally appeared James P. Shiely,
personally known to me or ~~proved to me on the basis of~~
satisfactory evidence, to be the person whose name is subscribed
to the within instrument and acknowledged to me that 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.

Rosemary E. Nichols
(Notary Public)

Qiliang Yan
Qiliang Yan

3/15/05
Date



State of Oregon
County of Washington
On March 15, 2005, before me, Rosemary E. Nichols,
personally appeared Qiliang Yan,
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behalf of which the person acted, executed the instrument.

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Rosemary E. Nichols
(Notary Public)