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02-12-2003

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE



102364221

TO THE HONORABLE DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE. PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

<p>1. Name of conveying party: <b>2-6-03</b> Avant! Corporation LLC</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party:</p> <p>Name: Synopsys, Inc. Street Address: 700 East Middlefield Road City: Mountain View, CA 94043 Country: USA</p>
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<p>3. Nature of Conveyance:</p> <p><input checked="" type="checkbox"/> Assignment (with exhibits A and B) <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: <u>February 3, 2002</u></p>	<p>Name and address of receiving party(ies):</p> <p>Name: Street Address: City: State: Zip: Country: Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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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:

<p>A. Patent Application No.(s) <u>09/309,150; 09/393,496; 09/418,669; 09/419,833; 09/531,350;</u> <u>09/590,796; 09/590,862; 09/752,304; 09/757,288; 09/761,479;</u> <u>09/944,885; and 10/279,337</u></p>	<p>B. Patent No.(s)</p>
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FINANCIAL SECTION  
M 7:09  
RECORDS

Additional numbers attached?  Yes  No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Omkar K. Suryadevara</u> Internal Address: <u>Silicon Valley Patent Group LLP</u> Street Address: <u>2350 Mission College Boulevard, Suite 360</u> City: <u>Santa Clara</u> State: <u>CA</u> Zip: <u>95054</u></p>	<p>6. Total number of applications and patents involved: <u>12</u></p> <p>7. Total fee (37 CFR 3.41): \$480.00</p> <p><input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Charge Deposit Account 50-2263 for any additional fees required for this conveyance and credit deposit account 50-2263 any amounts overpaid</p>
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8. 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.*

Omkar K. Suryadevara 36,320  
Name of Person Signing

S. Omkar  
Signature

Feb 6, 2003  
Date

Total number of pages including cover sheet, attachments, and documents: 7

PATENT ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, Avant! Corporation LLC ("ASSIGNOR"), the surviving entity resulting from the June 6, 2002 merger between Avant! Corporation and Maple Forest Acquisition LLC, hereby sells, assigns, transfers, and sets over its entire right, title, and interest in and to the Assigned Patents and Patent Applications (as set forth below), any patent or reissues of any patent or patent application that may be granted thereon, and foreign counterparts thereto, and any extensions and applications which are continuations, continuations-in-part, substitutes, divisions, renewals or reissues of said Assigned Patents and Patent Applications to Synopsys, Inc. ("ASSIGNEE") and its successors and assigns.

Assigned Patents: [Per attached Exhibit A]

ASSIGNOR hereby further sells, assigns, transfers, and sets over unto ASSIGNEE ASSIGNOR's entire right, title, and interest in and to the aforesaid inventions in the United States and each and every country foreign to the United States; and ASSIGNOR further conveys to ASSIGNEE all priority rights resulting from the Assigned Patents, and all causes of action for infringement arising prior to and after the date of this Assignment.

At any time and from time to time after the date hereof, at ASSIGNEE's request and expense, ASSIGNOR promptly shall execute and deliver, and shall cause its affiliates and employees to execute and deliver, such instruments of sale, transfer, conveyance, assignment and confirmation, and take such other action, as ASSIGNEE may reasonably request to more effectively transfer, convey and assign to ASSIGNEE, and to confirm ASSIGNEE's title to, all of the Assigned Patents.

IN WITNESS WHEREOF, ASSIGNOR has hereunto set its hand and seal on the date below.

AVANT! CORPORATION LLC

By: *Chris K. Sadeghian*  
Chris K. Sadeghian  
Assistant Secretary

Date: 3 February 2003

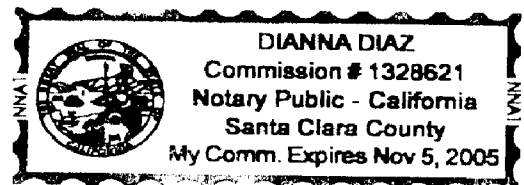
State of California

County of Santa Clara

On 3 Feb 2003, before me, Dianna Diaz, personally appeared Chris K. Sadeghian,  personally known to me or  proved to me on the basis of satisfactory evidence to be the person(s) whose name is 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.

WITNESS my hand and official seal.

*Dianna Diaz*



# EXHIBIT A

## Assigned Patents and Patent Applications

<u>Docket</u>	<u>Serial</u>	<u>Filing Date</u>	<u>Patent #</u>	<u>Issue Date</u>
A2002-100	09/309,150	5/10/1999		
A2002-032	09/393,496	6/17/1999		
A2002-020	09/418,669	10/14/1999		
A2002-019	09/419,833	10/14/1999		
A2002-038	09/531,350	3/21/2000		
A2002-041	09/590,796	6/8/2000		
A2002-009	09/590,862	6/8/2000		
A2002-101	09/752,304	12/28/2000		
A2002-027	09/757,288	12/22/2000		
A2002-047	09/761,479	1/16/2001		
A2002-102	09/944,885	8/31/2001		
	10/279,337	10/24/2002		

**EXHIBIT B**

**Certificate of Merger**

FROM CORPORATION TRUST WILM TEAM #4

(THU) 6. 6' 02 8:58/ST. 8:55/NO. 4863796112 P 3

STATE OF DELAWARE  
 SECRETARY OF STATE  
 DIVISION OF CORPORATIONS  
 FILED 06:00 PM 06/05/2002  
 020362171 - 3462191

**CERTIFICATE OF MERGER**

of

**AVANT! CORPORATION**

with and into

**MAPLE FOREST ACQUISITION L.L.C.**

Pursuant to Section 18-209 of the Limited Liability Company Act of the State of Delaware and Section 264(c) of the General Corporation Law of the State of Delaware,

Maple Forest Acquisition L.L.C., a Delaware limited liability company (the "Company"), does hereby certify as follows:

**FIRST:** The name and state of organization of each of the constituent entities to the merger are as follows:

<u>Name</u>	<u>State of Organization</u>
Maple Forest Acquisition L.L.C.	Delaware
Avant! Corporation	Delaware

**SECOND:** An Agreement and Plan of Merger (the "Agreement of Merger"), dated as of December 3, 2001, as amended, among Synopsys, Inc., the Company and Avant! Corporation has been approved, adopted, certified, executed and acknowledged by each of the constituent entities in accordance with Section 18-209 of the Limited Liability Company Act of the State of Delaware and Section 264(c) of the General Corporation Law of the State of Delaware, as applicable.

**THIRD:** The name of the surviving limited liability company in the merger is "Maple Forest Acquisition L.L.C.", which will change its name to "Avant! Corporation LLC" as provided in Article FOURTH as set forth below (the "Surviving Limited Liability Company").

**FOURTH:** Section 1 of the Certificate of Formation of the Company is hereby amended to read in its entirety as follows: "The name of the limited liability company is Avant! Corporation LLC."

**FIFTH:** The executed Agreement of Merger is on file at the principal place of business of the Surviving Limited Liability Company. The address of the principal place of business of the Surviving Limited Liability Company is 700 East Middlefield Road, Mountain View, California 94043.

**SIXTH:** A copy of the Agreement of Merger will be furnished by the Surviving Limited Liability Company, on request and without cost, to any member or stockholder of either constituent entity.

**SEVENTH:** This certificate of Merger shall become effective at 9:00 a.m. on June 6, 2002.

06/06/02 THU 09:35 FAX 212 225 2919  
FROM CORPORATION TRUST WILM TEAM #4

CGS&H NY 38S/W

(THU) 6. 6'02 8:59/ST. 8:55/NO. 4863796112 P 4

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FROM CORPORATION TRUST WILM TEAM #4

(THU) 6. 6'02 8:24/ST. 8:24 NO. 4863796109 P 2

IN WITNESS WHEREOF, Maple Forest Acquisition L.L.C., has caused  
the Certificate of Merger to be executed in its name as of this 5<sup>th</sup> day of June, 2002.

MAPLE FOREST ACQUISITION L.L.C.

BY: 

Name: Steven K. Shevick

Title: Vice President and Secretary

# Delaware

PAGE 1

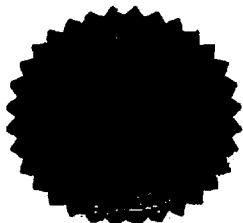
*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"AVANT! CORPORATION", A DELAWARE CORPORATION,  
WITH AND INTO "MAPLE FOREST ACQUISITION L.L.C." UNDER THE NAME OF "AVANT! CORPORATION LLC", A LIMITED LIABILITY COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE,, AS RECEIVED AND FILED IN THIS OFFICE THE FIFTH DAY OF JUNE, A.D. 2002, AT 8 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE SIXTH DAY OF JUNE, A.D. 2002, AT 9 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

3462191 8100M

AUTHENTICATION: 1815148

020362171

DATE: 06-06-02

PATENT

RECORDED: 02/06/2003

REEL: 013738 FRAME: 0473