

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Yunshan Zhu	10/26/2006
James Herbert Kukula	10/25/2006
Robert F. Damiano	10/25/2006
Joseph T. Buck	10/26/2006
RECEIVING PARTY DATA	
Name:	Synopsys, Inc.
Street Address:	700 E. Middlefield Road
City:	Mountain View
State/Country:	CALIFORNIA
Postal Code:	94043-4033
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11556050
CORRESPONDENCE DATA	
Fax Number:	(650)712-0263
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	650-712-0340
Email:	lmilliot@hmbay.com
Correspondent Name:	Joseph E. Root
Address Line 1:	Haynes Beffel & Wolfeld LLP
Address Line 2:	P.O. Box 366
Address Line 4:	Half Moon Bay, CALIFORNIA 94019
ATTORNEY DOCKET NUMBER:	SYNP 0617-1
NAME OF SUBMITTER:	Joseph E. Root

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PATENT  
REEL: 018474 FRAME: 0901

**Total Attachments: 5**

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**ASSIGNMENT  
(Joint to Corporate)**

WHEREAS, the undersigned,

- |   |  |
|---|--|
| <p>(1) Yunshan Zhu<br/>7607 Erin Way<br/>Cupertino, CA 95014<br/>United States</p>                  | <p>(2) James Herbert Kukula<br/>3027 NW Overlook Drive<br/>Apartment 913<br/>Hillsboro, OR 97124<br/>United States</p> |
| <p>(3) Robert F. Damiano<br/>2650 Lookout Court<br/>Lake Oswego, Oregon 97034<br/>United States</p> | <p>(4) Joseph T. Buck<br/>888 La Plata Plaza<br/>Campbell, CA 95008<br/>United States</p>                              |

hereinafter termed "Inventors", have invented certain new and useful improvements in

**METHOD FOR MODELING AN HDL DESIGN  
USING SYMBOLIC SIMULATION**

and have filed an application for a United States patent disclosing and identifying the above invention on \_\_\_\_\_ as Application No. \_\_\_\_\_, OR are filing such an application herewith, and have executed an oath or declaration of inventorship for such application on:

- (1) the 26<sup>th</sup> day of OCTOBER, 2006;
- (2) the 25<sup>th</sup> day of OCTOBER, 2006;
- (3) the 25<sup>th</sup> day of OCTOBER, 2006;
- (4) the 26<sup>th</sup> day of OCTOBER, 2006;

(hereinafter termed "application"); and

WHEREAS, **Synopsys, Inc.**, a corporation of **California**, having a place of business at 700 E. Middlefield Road, Mountain View, California (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 Inventors (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 Inventors to have been received in full from said Assignee:

1. Said Inventors 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 Inventors 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 Inventors 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 Inventors in providing such cooperation shall be paid for by said Assignee.

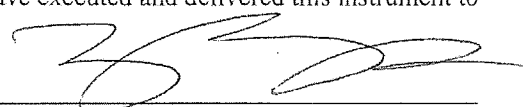
3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors 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.

Dated: Oct 26, 2006

Signed: \_\_\_\_\_

  
Yunshan Zhu

Dated: \_\_\_\_\_

Signed: \_\_\_\_\_

James Herbert Kukula

Dated: \_\_\_\_\_

Signed: \_\_\_\_\_

Robert F. Damiano

Dated: \_\_\_\_\_

Signed: \_\_\_\_\_

Joseph T. Buck

SYNP 0617 (US)

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.

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Dated: \_\_\_\_\_

Signed: \_\_\_\_\_  
Yunshan Zhu

Dated: 10/25/06

Signed: James Herbert Kukula  
James Herbert Kukula

Dated: \_\_\_\_\_

Signed: \_\_\_\_\_  
Robert F. Damiano

Dated: \_\_\_\_\_

Signed: \_\_\_\_\_  
Joseph T. Buck

SYNP 0617 (US)

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Robert F. Damiano

Dated: \_\_\_\_\_

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Joseph T. Buck

SYNP 0617 (US)

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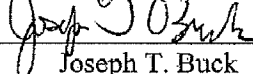
Dated: \_\_\_\_\_

Signed: \_\_\_\_\_  
Yunshan Zhu

Dated: \_\_\_\_\_

Signed: \_\_\_\_\_  
James Herbert Kukula

Dated: \_\_\_\_\_

Signed: \_\_\_\_\_  
Robert F. DamianoDated: 10/26/2006Signed:   
Joseph T. Buck