

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Dhiraj Goswami</td><td>04/24/2009</td></tr><tr><td>Ngai Ngai William Hung</td><td>04/24/2009</td></tr><tr><td>Jasvinder Singh</td><td>04/24/2009</td></tr><tr><td>Qiang Qiang</td><td>04/24/2009</td></tr></tbody></table>		Name	Execution Date	Dhiraj Goswami	04/24/2009	Ngai Ngai William Hung	04/24/2009	Jasvinder Singh	04/24/2009	Qiang Qiang	04/24/2009
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Qiang Qiang	04/24/2009										
RECEIVING PARTY DATA											
Name:	SYNOPSYS, INC.										
Street Address:	700 E. Middlefield Road										
City:	Mountain View										
State/Country:	CALIFORNIA										
Postal Code:	94043										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12430322</td></tr></tbody></table>		Property Type	Number	Application Number:	12430322						
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Application Number:	12430322										
CORRESPONDENCE DATA											
Fax Number: (530)759-1665 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	SNPS-1145										
NAME OF SUBMITTER:	Edward J. Grundler, Reg. No. 47,615										

OP \$40.00 12430322

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PATENT  
REEL: 022712 FRAME: 0820

Total Attachments: 2

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## CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

Dhiraj Goswami  
Ngai Ngai William Hung  
Jasvinder Singh  
Qiang Qiang

28592 SW Morningside Avenue, Wilsonville, OR 97070  
1794 Fumia Place, San Jose, CA 95131  
1582 Mission Springs Circle, San Jose, CA 95131  
2218 Duvall Court, Santa Clara, CA 95054

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

*ADAPTIVE STATE-TO-SYMBOLIC TRANSFORMATION IN A CANONICAL REPRESENTATION*

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

\_\_\_\_ On the \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_;

Or

X Said application having Application Number 12/430,322 and filed on 27 April 2009; and

WHEREAS, SYNOPSIS, 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

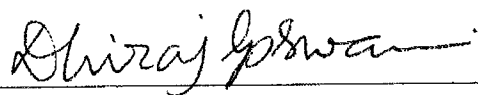
Attorney Docket No. SNPS-1145

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.



04/24/2009

Dhiraj Goswami

Date



4-24-2009

Ngai Ngai William Hung

Date



04/24/2009

Jasvinder Singh

Date



04/24/2009

Qiang Qiang

Date

Date