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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY	DATA				
		Name	Name		
XI-WEI LIN				09/18/2013	
VICTOR MOROZ				09/18/2013	
RECEIVING PARTY	ΟΑΤΑ				
Name:	SYNOF	SYNOPSYS, INC.			
Street Address:	700 E.	700 E. MIDDLEFIELD ROAD			
City:	MOUN	MOUNTAIN VIEW			
State/Country:	CALIFO	CALIFORNIA			
Postal Code:	94043	94043			
PROPERTY NUMBERS Total: 1 Property Type		Number			
Application Number:		14583541			
CORRESPONDENCE	DATA				
Fax Number:		(650)712-0263			
) the e-mail address first; if that is u I; if that is unsuccessful, it will be s			
Phone:	•	650-712-0340	ent vi	a US Mall.	
Email:		motts@hmbay.com	@hmbay.com		
Correspondent Name	e:	SYNOPSYS, INC. C/O HAYNES BEF	FEL 8	& WOLFE	
Address Line 1: P.O. BOX 366					
Address Line 4:		HALF MOON BAY, CALIFORNIA 940	19		
ATTORNEY DOCKET NUMBER:		SYNP 2083-4	SYNP 2083-4		
NAME OF SUBMITTER:		WARREN S. WOLFELD	WARREN S. WOLFELD		
SIGNATURE:		/Warren S. Wolfeld/	/Warren S. Wolfeld/		
DATE SIGNED:		12/26/2014	12/26/2014		
Total Attachments: 2 source=00457424#page source=00457424#page					

JOINT TO CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

- Xi-Wei Lin
 39874 San Moreno Court Fremont CA 94539 USA
- (2) Victor Moroz 17035 Bohlman Road Saratoga CA 95070 USA

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

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and

[] have filed a provisional application for a United States patent disclosing and identifying the above invention on as Application No.,

 $[\checkmark]$ have filed a non-provisional application for a United States patent disclosing and identifying the above invention on 27 June 2013, as Application No. 13/929,076,

[] are filing a non-provisional application herewith, and

[] have executed an oath or declaration of inventorship for such non-provisional application on:

(hereinafter termed "applications"); and

WHEREAS, Synopsys, Inc., a corporation of Delaware, having a place of business at having a place of business at 700 E. Middlefield Rd., Mountain View, CA 94043 (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said applications and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered 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 applications and said invention; (b) in and to all rights to apply for foreign patents (including patent, utility model and industrial design) on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise, including the right to claim priority from the applications; (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 extension of any of said patents.

2. Said Inventors hereby 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,

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oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignce (a) for perfecting in said Assignce 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, the Inventors' respective heirs, legal representatives and assigns,

4. Said Inventors hereby warrant and represent that said Inventors have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

5. Said Inventors hereby anthorize any of the following attorneys:

Mark A. Haynes, Ernest J. Beffel, Jr., Warren S. Wolfeld, James F. Hann, Kenta Suzue, Alex Chou and Yiding Wu to (a) insert the date of execution of the oath or declaration of inventorship, and (b) insert the application number and filing date of this application when known.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the date written below.

Xi-Wei Lin

Date: <u>18 September</u> Date: <u>Sept. 18, 2013</u>

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Victor Moroz

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