502776704 04/22/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2823299

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYAN	CE:	ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY DA	ТА			
		Name	Execution Date	
MICHAEL L. RIEGER			03/03/2014	
MATHIAS BOMAN			03/07/2014	
NAJI V. BEKHAZI			03/05/2014	
DANIEL D. HUNG			03/18/2014	
MICHAEL G. BRASHLER			03/07/2014	
THOMAS BRETT HALL			03/07/2014	
RECEIVING PARTY DAT	· A			
		PSYS, INC.]	
	700 E. MIDDLEFIELD ROAD			
City:	MOUNTAIN VIEW			
-	CALIFORNIA			
	94043-4033			
PROPERTY NUMBERS	Fotal: 1	Number]	
Application Number:		14195503		
	T A			
CORRESPONDENCE DA Fax Number:		(530)759-1665		
		the e-mail address first; if that is un	successful, it will be sent via	
Phone:	530-759-1661			
Email:	joanne@parklegal.com			
Correspondent Name:	A. RICHARD PARK			
Address Line 1:	PARK, VAUGHAN, FLEMING & DOWLER LLP		ER LLP	
Address Line 2:	2820 FIFTH STREET			
Address Line 4:	DAVIS, CALIFORNIA 95618			
ATTORNEY DOCKET NUI	MBER:	SNPS-1040US04-CIP		
NAME OF SUBMITTER:		A. RICHARD PARK, REG. NO. 4	1,241	
SIGNATURE:		/A. Richard Park/		
DATE SIGNED:		04/22/2014		
Total Attachments: 8				
		_	PATENT	

502776704

REEL: 032725 FRAME: 0587

WHEREAS, the undersigned,

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

INCREMENTAL CONCURRENT PROCESSING FOR EFFICIENT COMPUTATION OF HIGH-VOLUME LAYOUT DATA

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 14/195,503 and filed on 03 March 2014; and

WHEREAS, <u>SYNOPSYS</u>, INC., a corporation of the State of <u>Delaware</u>, having a place of business at <u>700 E</u>. <u>Middlefield Road</u>. <u>Mountain View</u>, <u>CA 94043-4033</u>, (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 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 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 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 Inventor(s) have executed and delivered this instrument to said Assignce as of the dates written below.

ML Rign	03 March 2014	
Michael L. Rieger	Date	
Mathias Boman	Date	
Naji V. Bekhazi	Date	
Daniel D. Hung	Date	
Michael G. Brashler	Date	
Thomas Brett Hall	Date	_

WHEREAS, the undersigned,

Michael L. Rieger	182 Elk Run Road, Skamania, WA 98648
Mathias Boman	36851 SW Larelwood Road, Hillsboro, OR 97123
Naji V. Bekhazi	1570 University Avenue, Palo Alto, CA 94301
Daniel D. Hung	572 Cherrywood Drive, Sunnyvale, CA 94087
Michael G. Brashler	15327 SW Cabernet Drive, Tigard, OR 97224
Thomas Brett Hall	1314 NE 51 st Avenue, Portland, OR 97213

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 Michael L. Rieger
 Date

 Mathias Boman
 3/07/19

 Mathias Boman
 Date

 Naji V. Bekhazi
 Date

 Daniel D. Hung
 Date

 Muthuad J. Stablen
 3/7/2014

 Michael G. Brashler
 Date

 Juno Fand Hung
 3/7/2014

Thomas Brett Hall

Date

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Mathias Boman	Date	
Ett-	315/2014	
Naji V. Bekhazi	Date	
	· · · · · · · · · · · · · · · · · · ·	
Daniel D. Hung	Date	
Michael G. Brashler	Date	
Thomas Brett Hall	Date	

,

AVANTICORP

Attorney Docket No. SNPS-1040US04-CIP

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Michael L. Rieger	Date
Mathias Boman	Date
Naji V. Bekhazi	Date
Sandh. # j-	3/18/14
Daniel D. Hung	Date
Michael G. Brashler	Date
Thomas Brett Hall	Date

RECORDED: 04/22/2014