503920875 07/19/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3967528

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KARLO TSKITISHVILI	07/14/2016
JEFFREY J. LOESCHER	07/15/2016
LUIS D. GUILIN	07/18/2016
PAUL M. FURNANZ	07/15/2016

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

Property Type	Number
Application Number:	15076372

CORRESPONDENCE DATA

Fax Number: (530)759-1665

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 530-759-1661

Email: jeannie@parklegal.com A. RICHARD PARK **Correspondent Name:**

Address Line 1: PARK, VAUGHAN, FLEMING & DOWLER LLP

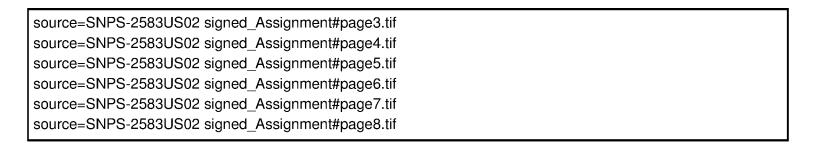
Address Line 2: 2820 FIFTH STREET

Address Line 4: DAVIS, CALIFORNIA 95618

ATTORNEY DOCKET NUMBER:	SNPS-2583US02
NAME OF SUBMITTER:	A. RICHARD PARK
SIGNATURE:	/A. Richard Park/
DATE SIGNED:	07/19/2016

Total Attachments: 8

source=SNPS-2583US02 signed Assignment#page1.tif source=SNPS-2583US02 signed_Assignment#page2.tif



WHEREAS, the undersigned,

Karlo Tskitishvili	3442 Santa Barbara Avenue, Santa Clara, CA 95051
Jeffrey J. Loescher	3231 N.W. 126th Place, Portland, OR 97229
Luis D. Guilin	2108 Santa Croce Drive, Livermore, CA 94550
Paul M. Furnanz	1560 Country Commons, Lake Oswego, OR 97034

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

TRANSPARENT EDITING OF PHYSICAL DATA IN HIERARCHICAL INTEGRATED CIRCUIT DESIGN

inventi	on:		_	
	On the day of	, 20;		
	Or			
<u>X</u>	Said application having Application Number_ 21 March 2016; and	15/076,372		and filed on

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

WHEREAS, <u>SYNOPSYS</u>, <u>INC.</u>, 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 Assignee as of the dates written below.

	07/14/2016
Karlo Tskitishvili	Date
Jeffrey J. Loescher	Date
Luis D. Guilin	Date
Paul M. Furnanz	Date

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	Luis D. Guilin	Date
· · · · · · · · · · · · · · · · · · ·	Paul M. Furnanz	Date

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Karlo Tskitishvili

Date

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A. A. Toescher

Luis D. Guilin

Date

Date

Paul M. Furnanz

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error and annual an	Jeffrey J. Loescher	Date
	Luis D. Guilin	Date
PROMOTEUR SUBSECUL PO	Pau ME	huly 15, 20/C

Date

PATENT REEL: 039185 FRAME: 0069

RECORDED: 07/19/2016

Paul M. Furnanz