

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5162962

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HIMANSHU JAIN	06/28/2018
PER M. BJESSE	09/27/2018
PRATIK MAHAJAN	07/19/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SYNOPSYS, INC.
<b>Street Address:</b>	690 E. MIDDLEFIELD ROAD
<b>City:</b>	MOUNTAIN VIEW
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94043
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16023849
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(530)759-1665
<i>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.</i>	
<b>Phone:</b>	530-759-1661
<b>Email:</b>	jeannie@parklegal.com
<b>Correspondent Name:</b>	A. RICHARD PARK
<b>Address Line 1:</b>	PARK, VAUGHAN, FLEMING & DOWLER LLP
<b>Address Line 2:</b>	2820 FIFTH STREET
<b>Address Line 4:</b>	DAVIS, CALIFORNIA 95618
<b>ATTORNEY DOCKET NUMBER:</b>	SNPS-3024US02
<b>NAME OF SUBMITTER:</b>	A. RICHARD PARK
<b>SIGNATURE:</b>	/A. Richard Park/
<b>DATE SIGNED:</b>	09/27/2018
<b>Total Attachments: 4</b>	
source=SNPS-3024US02 Assignment_signed#page1.tif	
source=SNPS-3024US02 Assignment_signed#page2.tif	
source=SNPS-3024US02 Assignment_signed#page3.tif	



## CORPORATE ASSIGNMENT

WHEREAS, the undersigned,

Himanshu Jain	2543 NW Overlook Drive #114, Hillsboro, OR 97124
Per M. Bjesse	7326 N. Denver Avenue, Portland, OR 97217
Pratik Mahajan	10926 Northridge Sq, Cupertino, CA 95014

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

*USING RUNTIME INFORMATION FROM SOLVERS TO MEASURE QUALITY OF FORMAL VERIFICATION*

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 16/023,849 and filed on June 29, 2018; and

WHEREAS, SYNOPSYS, INC., a corporation of the State of Delaware, having a place of business at 690 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 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.

Himanshu / Jun 28, 2018

Himanshu Jain

Date

M. Bjesse / Sep 27, 2018

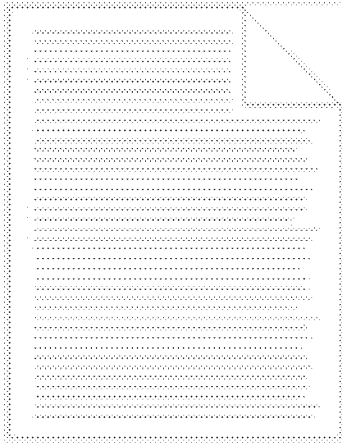
Per M. Bjesse

Date

Pratik Mahajan / Jul 19, 2018

Pratik Mahajan

Date



# SNPS-3024US02 EchoSign Formal Documents


Adobe Sign Document History


09/27/2018

Created:	06/28/2018
By:	Document Support
Status:	Signed
Transaction ID:	CBJCHBCAABAAmwOmb6OM5Tw_Dr_NsDu8rgen8iRpDzy1


## "SNPS-3024US02 EchoSign Formal Documents" History


- Document created by Document Support  
06/28/2018 - 12:08:50 PM PDT - IP address: 96.77.194.17
- Document emailed to Himanshu for signature  
06/28/2018 - 12:10:49 PM PDT
- Document emailed to Per Bjessr for signature  
06/28/2018 - 12:10:49 PM PDT
- Document emailed to Pratik Mahajan for signature  
06/28/2018 - 12:10:49 PM PDT
- Document viewed by Himanshu  
06/28/2018 - 12:11:02 PM PDT - IP address: 149.117.7.28
- Document viewed by Pratik Mahajan  
06/28/2018 - 12:16:58 PM PDT - IP address: 122.179.70.231
- Document e-signed by Himanshu  
Signature Date: 06/28/2018 - 5:58:16 PM PDT - Time Source: server - IP address: 198.182.58.5
- Document viewed by Per Bjessr  
07/11/2018 - 3:43:10 AM PDT - IP address: 198.182.58.5
- Document viewed by Pratik Mahajan  
07/19/2018 - 9:08:33 AM PDT - IP address: 24.5.125.172
- Document e-signed by Pratik Mahajan  
Signature Date: 07/19/2018 - 9:10:32 AM PDT - Time Source: server - IP address: 24.5.125.172


 Document viewed by Per Bjessr  
07/19/2018 - 9:41:32 AM PDT- IP address: 217.215.138.223


 Document viewed by Per Bjessr  
08/30/2018 - 9:09:15 AM PDT- IP address: 107.77.205.167.


 Document viewed by Per Bjessr  
09/27/2018 - 11:49:47 AM PDT- IP address: 71.34.98.149

 Document Support Jeannie Camara replaced signer Per Bjessr with  
09/27/2018 - 12:32:07 PM PDT- IP address: 96.77.194.17.

 Document emailed to Jeannie Camara for signature  
09/27/2018 - 12:32:08 PM PDT

 Document viewed by Jeannie Camara  
09/27/2018 - 12:32:25 PM PDT- IP address: 96.77.194.17

 Document e-signed by Per Bjessr  
Signature Date: 09/27/2018 - 2:16:15 PM PDT - Time Source: server- IP address: 71.34.98.149

 Signed document emailed to Jeannie Camara Pratik  
Mahajan Document Support and 2 more  
09/27/2018 - 2:16:15 PM PDT