

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6063472

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RIBHU MITTAL	04/13/2020
VIVEK PRASAD	04/14/2020
RECEIVING PARTY DATA	
Name:	SYNOPSYS, INC.
Street Address:	690 EAST MIDDLEFIELD ROAD
City:	MOUNTAIN VIEW
State/Country:	CALIFORNIA
Postal Code:	94043
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16846710
CORRESPONDENCE DATA	
Fax Number:	(650)938-5200
<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>	
Phone:	6503357230
Email:	dchevalier@fenwick.com
Correspondent Name:	JORGE A. KINA
Address Line 1:	801 CALIFORNIA STREET
Address Line 4:	MOUNTAIN VIEW, CALIFORNIA 94041
ATTORNEY DOCKET NUMBER:	22524-46113/US
NAME OF SUBMITTER:	JORGE A. KINA
SIGNATURE:	/JORGE A. KINA/
DATE SIGNED:	04/15/2020
Total Attachments: 3	
source=46113 US Assignment EXECUTED#page1.tif	
source=46113 US Assignment EXECUTED#page2.tif	
source=46113 US Assignment EXECUTED#page3.tif	

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to **Synopsys, Inc.**, a Delaware corporation, having a place of business at 690 East Middlefield Road, Mountain View, California, 94043 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in any of the following patent application(s), Registered Community Design(s), international application(s) filed according to the Patent Cooperation Treaty (PCT), or U.S. national phase application(s) (collectively, the "APPLICATION"), and any patents issuing thereon ("PATENT RIGHTS"):

- U.S. Application No. **16/846,710**, entitled "**Automated Self-Check of a Closed Loop Emulation Replay**", filed on **April 13, 2020**, which claims priority from a provisional application, filed on April 11, 2019, now bearing U.S. Application No. 62/832,554.

2. The entire worldwide right, title, and interest in and to:
(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto that have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) that may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

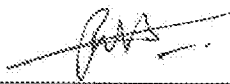
Title:	Automated Self-Check of a Closed Loop Emulation Replay		
Filed:	April 13, 2020	Attorney Docket #:	22524-46113/US
Application #:	16/846,710	Client Ref #:	3352US02

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Name and Signature

Date of Signature (REQUIRED)



4/13/2020

Ribhu Mittal

Name and Signature

Date of Signature (REQUIRED)

Vivek Prasad

Title:	Automated Self-Check of a Closed Loop Emulation Replay		
Filed:	April 13, 2020	Attorney Docket #:	22524-46113/US
Application #:	16/846,710	Client Ref #:	3352US02

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

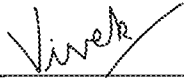
Name and Signature

Date of Signature (REQUIRED)

Ribhu Mittal

Name and Signature

Date of Signature (REQUIRED)


Vivek Prasad

04/14/2020