

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>CHIA-LING HO</td><td>01/22/2014</td></tr><tr><td>JIAN-CHENG LIN</td><td>01/20/2014</td></tr><tr><td>JENCHENG WANG</td><td>01/17/2014</td></tr></tbody></table>		Name	Execution Date	CHIA-LING HO	01/22/2014	JIAN-CHENG LIN	01/20/2014	JENCHENG WANG	01/17/2014				
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<table border="1"><tr><td>Name:</td><td>SYNOPSYS, INC.</td></tr><tr><td>Street Address:</td><td>700 EAST MIDDLEFIELD ROAD</td></tr><tr><td>Internal Address:</td><td>BLDG. C</td></tr><tr><td>City:</td><td>MOUNTAIN VIEW</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>94043-4033</td></tr></table>		Name:	SYNOPSYS, INC.	Street Address:	700 EAST MIDDLEFIELD ROAD	Internal Address:	BLDG. C	City:	MOUNTAIN VIEW	State/Country:	CALIFORNIA	Postal Code:	94043-4033
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PROPERTY NUMBERS Total: 1													
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Application Number:	13954783												
CORRESPONDENCE DATA													
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Correspondent Name:	KILPATRICK TOWNSEND & STOCKTON LLP												

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Address Line 4:	SAN FRANCISCO, CALIFORNIA 94111-3834

NAME OF SUBMITTER:	ARDESHIR TABIBI
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Signature:	/Ardeshir Tabibi/
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Date:	02/20/2014
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Total Attachments: 4

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ASSIGNMENT
(Patent Application)

We [I], the undersigned, have invented certain inventions and improvements disclosed in a utility (provisional or non-provisional) or design patent application entitled

“METHOD OF RECORDING AND REPLAYING CALL FRAMES FOR A TEST BENCH,”

filed with the U.S. Patent & Trademark Office on July 30, 2013

and assigned serial no. 13/954,783.

For one dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which we [I] acknowledge, we [I]:

1. Agree to assign, transfer, convey, and sell, hereby assign, transfer, convey, and sell and have assigned, transferred, conveyed, and sold to **Synopsys, Inc.**, a corporation of the State of Delaware having a principal place of business at 700 East Middlefield Road, Mountain View, CA 94043-4033 and **Synopsys Taiwan Co., Ltd.**, a corporation of Taiwan having a principal place of business at Room 2908, 29F, 333 Section 1, Keelung Road, 110 Taipei, Taiwan (“Assignees”), the entire right, title, and interest in and to:
 - (a) all intellectual property (including, without limitation, any innovation, information, invention, discovery, product, process, work or design) disclosed, embodied, shown, or claimed in the above-referenced patent application, implicitly or explicitly;
 - (b) the above-referenced patent application, the right to claim priority to the above-referenced patent application, all applications based in whole or in part upon the above-referenced patent application, including, without limitation, all applications that are a provisional, non-provisional, design, divisional, continuation, continuation-in-part, registration, utility model, industrial design, reissue, renewal, substitute, extension, reexamination, post-grant review, inter partes review, supplemental examination or non-U.S. patent application or application for other rights based in whole or in part on the above-referenced patent application;
 - (c) all patents (including, without limitation, all U.S. and non-U.S. patents, registrations, utility models, industrial designs, design patents, counterparts, continuations, continuations-in-part, divisionals, reissues, renewals, substitutes, extensions, reexaminations, post-grant reviews, inter partes reviews and supplemental examinations) that are granted or issued upon, or that claim priority to, any and all applications described in (b) of

ASSIGNMENT

U.S. Serial No. 13/954,783

Attorney Docket No. 92505-008410US-883506

Page 2 of 3

this paragraph or that disclose or claim intellectual property described in (a) of this paragraph, in whole or in part; and

(d) all claims for damages by reason of past infringement of any rights under the applications or patents described in (a), (b) or (c) of this paragraph (including provisional rights to reasonable royalties pursuant to 35 U.S.C. §154(d)) and the right to sue for and collect such damages and royalties for Assignee's own use.

2. Authorize and request the U.S. Patent and Trademark Office or any other U.S. or non-U.S. agency to issue to the Assignee any and all patent(s), or other rights or documents, resulting from the intellectual property, patent application(s) and patents described in paragraph 1 of this Assignment.
3. Agree to sign all papers and documents, including without limitation, applications, declarations, oaths and petitions, and, at the Assignee's expense, perform any other acts that are necessary in connection with prosecution of patent application(s) or intellectual property described in paragraph 1 of this Assignment and the enforcement of patent(s) or other rights resulting from such patent application(s) or intellectual property.
4. Agree that the terms, covenants, and conditions of this Assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon us [me], as well as our [my] heirs, legal representatives, and assigns.
5. Promise and affirm that we [I] have not entered, and will not enter, into any assignment, contract, or understanding that conflicts with this Assignment.
6. Authorize Kilpatrick Townsend & Stockton to insert above the application number and filing date of the above-described patent application when known.

Signed on the dates indicated beside our [my] signatures [signature].

Signature: Chia-Ling Ho
Chia-Ling HO

Date: 01-22-2014

ASSIGNMENT

U.S. Serial No. 13/954,783

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Page 3 of 3

Signature: Jian-Cheng Lin

Jian-Cheng LIN

Date: 1/20/14

Signature: _____

Jencheng WANG

Date: _____

ASSIGNMENT

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Page 3 of 3

Signature: _____

Jian-Cheng LIN

Date: _____

Signature: Jen Cheng Wang

Jencheng WANG

Date: 01/17/14'