PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Gemini Design Technology, Inc.	07/08/2010

RECEIVING PARTY DATA

Name:	Synopsys, Inc.	
Street Address:	700 East Middlefield Road	
City:	Mountain View	
State/Country:	CALIFORNIA	
Postal Code:	94043	

PROPERTY NUMBERS Total: 2

Property Type	Number	
Application Number:	11612335	
Application Number:	11736259	

CORRESPONDENCE DATA

Fax Number: (408)200-0930

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 408-451-5900

Email: bbaumann@beverlaw.com

Correspondent Name: BEVER, HOFFMAN & HARMS, LLP

Address Line 1: 901 Campisi Way, Suite 370
Address Line 4: Campbell, CALIFORNIA 95008

ATTORNEY DOCKET NUMBER: SYN-1326; SYN-1326-1P

NAME OF SUBMITTER: Jeanette S. Harms

Total Attachments: 1

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JP \$80.00 1161253

PATENT REEL: 024655 FRAME: 0328

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, Gemini Design Technology, Inc., a Delaware corporation, having a place of business at 137 Mayten Way Fremont, CA 94539 ("ASSIGNOR"), has sold, assigned, and transferred and does hereby sell, assign, and transfer to Synopsys, Inc., a Delaware corporation, having a place of business at 700 East Middlefield Road., Mountain View, CA 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 the following applications and Letters Patents ("PATENT RIGHTS"):

Country	Application No.	Title	Filing Date
US	11/612,335	"Parallel Multi-Rate Circuit Simulation"	12/18/2006
US	11/736,259	"Method For Ranking Webpages Via Circuit Simulation"	4/17/2007

and;

2. The entire worldwide right, title, and interest in and to:

(a) the PATENT RIGHTS, including any right of priority; (b) any provisional, divisional, continuation, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States or elsewhere in the world; (c) any patents which may be granted on the applications set forth in (a) and (b) above; and (d) the right to sue in its own name and to recover for past infringement of any or all of any applications or patents issuing therefrom together with all rights to recover damages for infringement of provisional rights.

ASSIGNOR 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, titled and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER of the above-identified patent applications and Letters Patents; 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 of the above-identified patent applications and Letters Patents and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. ASSIGNOR further agrees to provide any successor, transferee, assignee, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

ASSIGNOR represents that ASSIGNOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the ASSIGNOR has made or will make hereafter no assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

Duly Authorized Representative of ASSIGNOR

Douglas Hicks

Manager

Gemini Design Technology, Inc.

137 Mayten Way Fremont, CA 94539 Date of Signature

8 Jul 7010

Duly Authorized Representative of ASSIGNEE

Julie A. Stephenson

Associate General Counsel, Chief IP Counsel

Synopsys, Inc.

700 East Middlefield Road Mountain View, CA 94043 Date of Signature

8 July 2016

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