

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
COWARE, LLC	10/08/2012

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 14

Property Type	Number
Application Number:	11096184
Application Number:	11140353
Application Number:	10976402
Application Number:	11388484
Application Number:	11707412
Application Number:	11637418
Application Number:	11637374
Application Number:	11607243
Application Number:	11637376
Application Number:	12001238
Application Number:	12030192
Patent Number:	8090564
Patent Number:	8006225
Patent Number:	8265920

CORRESPONDENCE DATA

502100759

PATENT
 REEL: 029159 FRAME: 0466

OP \$560.00 11096184

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Phone: 408-938-9060
Email: tcarvalho@mhbpatents.com
Correspondent Name: MURABITO, HAO & BARNES LLP
Address Line 1: TWO NORTH MARKET STREET
Address Line 2: THIRD FLOOR
Address Line 4: SAN JOSE, CALIFORNIA 95113

ATTORNEY DOCKET NUMBER:

SNSY-GENERAL

NAME OF SUBMITTER:

Anthony C. Murabito

Total Attachments: 2

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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, COWARE, LLC, a Delaware limited liability corporation, having a place of business at 700 East Middlefield Road, Mountain View, CA 94043 ("ASSIGNOR"), has sold, assigned, and transferred and does hereby sell, assign, and transfer to SYNOPSIS, 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	11096184	METHOD AND SYSTEM OF SCHEDULING INSTRUCTIONS	03-30-2005
US	11140353	METHOD AND DEVICE FOR COMPILER RETARGETING BASED ON INSTRUCTION SEMANTIC MODELS	5-26-2005
US	10976402	TRANSACTION LEVEL MODEL SYNTHESIS	10-28-2004
US	11388484	USER INTERFACE FOR FACILITATION OF HIGH LEVEL GENERATION OF PROCESSOR EXTENSIONS	03-23-2006
US	11707412	SIMULATION WITH DYNAMIC RUN-TIME ACCURACY ADJUSTMENT	02-16-2007
US	11637418	METHOD AND SYSTEM FOR INSTRUCTION SET SIMULATION WITH CONCURRENT ATTACHMENT OF MULTIPLE DEBUGGERS	12-11-2006
US	11637374	SYSTEM AND METHOD FOR STOPPING INTEGRATED CIRCUIT SIMULATION	12-11-2006
US	11607243	TECHNIQUES FOR CREATING AND USING A HIERARCHICAL DATA STRUCTURE	12-01-2006
US	11637376	TECHNIQUES FOR COORDINATING AND CONTROLLING DEBUGGERS IN A SIMULATION ENVIRONMENT	12-11-2006
US	12001238	SYSTEM AND METHOD OF DEBUGGING MULTI-THREADED PROCESSES	12-11-2007
US	12030192	SIMULATION CONTROL TECHNIQUES	02-12-2008

Country	Patent No.	Title	Issue Date
US	8090564	AUTOMATIC GENERATION OF TRANSACTION LEVEL BUS SIMULATION INSTRUCTIONS FROM BUS PROTOCOL	01-03-2012
US	8006225	METHOD AND SYSTEM FOR AUTOMATIC GENERATION OF INSTRUCTION-SET DOCUMENTATION FROM AN ABSTRACT PROCESSOR MODEL DESCRIBED USING A HIERARCHICAL ARCHITECTURAL DESCRIPTION LANGUAGE	08-23-2011
US	8265920	DETERMINING LARGE-SCALE FINITE STATE MACHINES USING CONSTRAINT RELAXATION	09-11-2012

and;

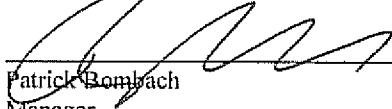
2. The entire worldwide right, title, and interest in and to:
(a) the PATENT RIGHTS, including any right of priority; (b) any provisional, divisional, continuation, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States or elsewhere in 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, titles 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

Date of Signature

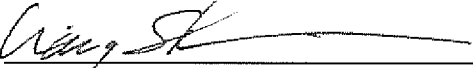


Patrick Bombach
Manager
COWARE, LLC
700 East Middlefield Road
Mountain View, CA 94043

10-8-2012

Duly Authorized Representative of ASSIGNEE

Date of Signature



Craig Shinnars
Legal Counsel Director
SYNOPSIS, INC.
700 East Middlefield Road
Mountain View, CA 94043

10-8-2012