

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Bruno M.S. Santos	07/12/2011
Antonio I.R. Leal	07/12/2011
Carlos M.A. Azeredo-Leme	07/11/2011
RECEIVING PARTY DATA	
Name:	Synopsys, Inc.
Street Address:	700 East Middlefield Road
City:	Mountain View
State/Country:	CALIFORNIA
Postal Code:	94043
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13183370
CORRESPONDENCE DATA	
Fax Number:	(650)938-5200
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	(650)335-7291
Email:	dahn@fenwick.com
Correspondent Name:	Dohyun Ahn
Address Line 1:	801 California Street
Address Line 2:	Fenwick & West LLP
Address Line 4:	Mountain View, CALIFORNIA 94041
ATTORNEY DOCKET NUMBER:	22524-18656
NAME OF SUBMITTER:	Dohyun Ahn
Total Attachments: 2 source=18656_Assignment#page1.tif source=18656_Assignment#page2.tif	

CH \$40.00 13183370

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 700 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 the following provisional application filed under 35 U.S.C. § 111(b), non-provisional application filed under 35 U.S.C. § 111(a), international application filed according to the Patent Cooperation Treaty (PCT), or U.S. national phase application filed under 35 U.S.C. § 371 ("APPLICATION"):

- Application No. 13/183,370, entitled "Synchronous Switching in High-Speed Digital-to-Analog Converter Using Quad Synchronizing Latch," filed on July 14, 2011.

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 which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which 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: Synchronous Switching in High-Speed Digital-to-Analog Converter
Using Quad Synchronizing Latch
Filed: 13/183,370
Application No.: July 14, 2011

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 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

Bruno M.S. Santos
Bruno M.S. Santos

Date of Signature

12 July, 2011

Name and Signature

Antonio I.R. Leal
Antonio I.R. Leal

Date of Signature

12 July, 2011

Name and Signature

Carlos M.A. Azeredo-Leme
Carlos M.A. Azeredo-Leme

Date of Signature

11 July, 2011