

U.S. Department of Commerce  
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**PATENT**

03-23-2004



3-19-04

102700963  
**RECORDATION FORM COVER SHEET  
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102700963  
03/19/04

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Attorney Docket No. SPLX.P0069

**Conveying Party (ies)**

Mark if additional names of conveying parties attached

Execution Date  
MMDDYYYY

Name (1<sup>st</sup> party) Teig, Steven

Name (2<sup>nd</sup> party) Caldwell, Andrew

Name (3<sup>rd</sup> party) \_\_\_\_\_

Name (4<sup>th</sup> party) \_\_\_\_\_

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**Receiving Party**

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If document to be recorded is an assignment and the receiving party is not domiciled in the U.S., an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment)

Name Cadence Design Systems, Inc.

Name A Delaware Corporation

Address 2655 Seely Ave., Building 5 MS 5B1

Address \_\_\_\_\_

Address San Jose, CA 95134

City State/Country Zip Code

**Domestic Representative**

(Complete only if receiving party is not domiciled in the United States)

Name \_\_\_\_\_

Address \_\_\_\_\_

Address \_\_\_\_\_

Address \_\_\_\_\_

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**PATENT**  
**REEL: 015325 FRAME: 0094**

Form PTO-1619B (Modified) **RECORDATION FORM COVER SHEET** U.S. Department of Commerce Patent and Trademark Office **PATENT**  
 Page 2

**Correspondent Name and Address**

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 Fax Number: (650) 752-0995

**Pages** Enter the total number of pages of the attached conveyance document including any attachments.

**Application Number(s) or Patent Number(s)**  Mark if additional numbers attached  
 Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property.)

Patent Application Number(s)			Patent Number(s)		
<input type="text" value="09/972,452"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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If this document is being filed together with a new Patent Application, enter the date the patent Application was signed by the first named executing inventor. MMDDYYYY

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Enter PCT application number(s) only if a U.S. Application Number has not been assigned.

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**Number of Properties** Enter the total number of properties involved

**Fee Amount** Fee Amount for Propeties Listed (37CFR3.41) \$

Method of Payment: Credit Card (See CC form)  Enclosed  Deposit Account

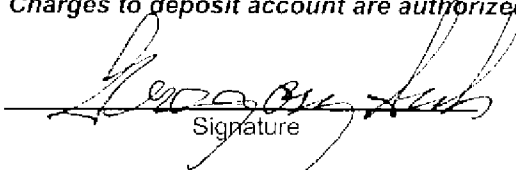
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*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.*

Gregory Suh  March 15, 2004  
 Name of Person Signing Signature Date

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Serial No.: &lt;not yet assigned&gt;

Filing Date:

For: METHOD AND ARRANGEMENT FOR  
LAYOUT AND MANUFACTURE OF  
GRIDDED NONMANHATTAN  
SEMICONDUCTOR INTEGRATED  
CIRCUITS

PATENT APPLICATION

Examiner: &lt;not yet assigned&gt;

Group Art Unit: &lt;not yet assigned&gt;

INVENTOR(S) TO CORPORATION ASSIGNMENT

WHEREAS, the undersigned Inventor(s) have invented certain new and useful improvements titled "METHOD AND ARRANGEMENT FOR LAYOUT AND MANUFACTURE OF GRIDDED NONMANHATTAN SEMICONDUCTOR INTEGRATED CIRCUITS", and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention, said United States patent application being filed concurrently herewith.

WHEREAS Simplex Solutions, Inc. (hereinafter termed "Assignee"), a corporation of the State of Delaware, having a place of business at 521 Almanor Ave., Sunnyvale, CA 94086, wishes to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, certificates of invention and other forms of protection thereon (hereinafter termed "patents") applied for or granted in the United States and/or other countries.

NOW THEREFORE, for good and valuable consideration acknowledged by each of said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey to said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply in any or all countries of the world for patents, certificates of inventions or other governmental grants on said invention, including the right to apply for patents pursuant to the International Convention for the Protection of Industrial Property or pursuant to any other convention, treaty, agreement or understanding; (c) in and to any and all applications filed and any and all patents, certificates of inventions or other governmental grants granted on said invention in the United States or any other country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (d) in and to each and every reissue or extension of any

of said patents; and (e) in and to each and every patent claim resulting from a reexamination certificate for any and all of said patents.

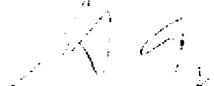
2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and other countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, executing of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for complying with any duty of disclosure; (c) for prosecuting any of said applications; (d) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said invention; and (g) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, reexamination proceedings, compulsory licensing proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives, and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventors have executed this instrument on the date of acknowledgement as given below and delivered this instrument to said Assignee.

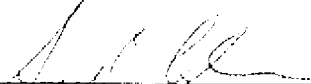
Date of Execution of Declaration for Patent Application: \_\_\_\_\_

(1)   
\_\_\_\_\_  
Steven Teig

Date: 10/1/04

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Date of Execution of Declaration for Patent Application: \_\_\_\_\_

(2)   
\_\_\_\_\_  
Andrew Caldwell

Date: 10/1/04

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