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he new address(es) below.

113277 U.S. PTO
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To the Director of the U.S. Patents and Trademark Office: FILE

1. Name of conveying party(ies)/Execution Date(s):

Rajit Chandra 08/29/2005
Daniel Rubin 08/26/2005

Execution Date(s) 08/26/2005; 08/29/2005

Additional name of conveying party(ies) attached? ☐ Yes ☐ No

2. Name and address of receiving party(ies)

Name: Gradient Design Automation, Inc

Internal Address: Suite 200

Street Address: 4633 Old Ironsides Drive

City: Santa Clara

State: CA

Country: U.S.A. Zip: 95054

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

4. Application number(s) or patent number(s):

A. Patent Application No.(s)

☒ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: Kin-Wah Tong, Esq.

Internal Address: Moser, Patterson & Sheridan, LLP

Street Address: 595 Shrewsbury Ave.

City: Shrewsbury

State: N.J. Zip: 07702

Phone Number : (732) 530-9404

Fax Number: (732) 530-9808

Email Address: _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 20-0782

Authorized User Name Kin-Wah Tong, Esq.

9. Signature :

Diana J. Rea

August 29, 2005

09/07/2005 DRYNE 00000205 200782 1121583

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(0.00 DA)

Diana J. Rea, Esq.

Date

Total number of pages including cover sheet, attachments, and documents ☐

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

392155-1

PATENT
REEL: 016948 FRAME: 0675

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Name(s) and Address(es) of Inventor(s):

- | | | | |
|----|---------------------|----|--------------------|
| 1) | Rajit Chandra | 2) | Daniel I. Rubin |
| | 11101 Bubba Road | | 360 Fletcher Drive |
| | Cupertino, CA 95014 | | Atherton, CA 94027 |

(hereinafter referred to as Assignor(s), have invented a certain invention entitled:

METHOD AND APPARATUS FOR NORMALIZING THERMAL GRADIENTS OVER SEMICONDUCTOR CHIP DESIGNS

for which application for Letters Patent in the United States was executed on even date herewith; and

WHEREAS, Gradient Design Automation, Inc, a corporation of the State of California, having a place of business at 4633 Old Ironsides Drive - Suite 200, Santa Clara, CA 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

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

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution 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 prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

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

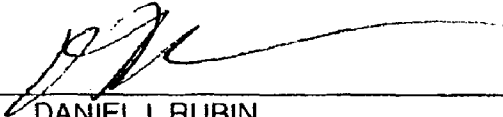
4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) _____, 2005

RAJIT CHANDRA

2) 8/16/05, 2005



DANIEL I. RUBIN

391805_1

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

4. Said Assignors hereby 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 Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) 8-29, 2005

R. Chandra

RAJIT CHANDRA

2) _____, 2005

DANIEL I. RUBIN

391805_1