

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the inventorship of the Assignment previously recorded on Reel 016789 Frame 0862. Assignor(s) hereby confirms the inventor Asmus Hetzel to be added to the application in accordance with the petition decision issued on 11/10/2009.

CONVEYING PARTY DATA

Name	Execution Date
Anish Malhotra	08/07/2009
Jonathan Frankle	11/28/2008
Asmus Hetzel	12/09/2008

RECEIVING PARTY DATA

Name:	Cadence Design Systems, Inc.
Street Address:	2655 Seely Ave.
Internal Address:	Building 5MS 5B1
City:	San Jose
State/Country:	CALIFORNIA
Postal Code:	95134

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11005162

CORRESPONDENCE DATA

Fax Number: (310)442-9330
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 3104429300
Email: mail@adelitollen.com
Correspondent Name: Adeli & Tollen LLP
Address Line 1: 11940 San Vicente Blvd.
Address Line 2: Suite 100
Address Line 4: Los Angeles, CALIFORNIA 90049

ATTORNEY DOCKET NUMBER: CDN.P0079

501022653

**PATENT
 REEL: 023555 FRAME: 0556**

OP \$40.00 11005162

NAME OF SUBMITTER:

Adam Littman

Total Attachments: 18

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PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

11/16/2005
500060976

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Anish Malhotra	11/16/2005
Jonathan Frankle	11/16/2005
RECEIVING PARTY DATA	
Name:	Cadence Design Systems, Inc.
Street Address:	2655 Seeley Ave.
City:	San Jose
State/Country:	CALIFORNIA
Postal Code:	95134
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11005162
CORRESPONDENCE DATA	
Fax Number:	(310)785-9558
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	310-785-0140
Email:	mani@sjalaw.com
Correspondent Name:	Mani Adeli
Address Line 1:	1875 Century Park East, Suite 1360
Address Line 4:	Los Angeles, CALIFORNIA 90067-2514
ATTORNEY DOCKET NUMBER:	CDN.P0079 (04-049/03)
NAME OF SUBMITTER:	Mani Adeli
Total Attachments: 2 source=CDNP0079pg1#page1.tif source=CDN.P0079 pg 2#page1.tif	

OP \$40.00 11005162

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Anish Malhotra, et al.

Serial No.: 11/005,162

Filing Date: 12/6/2004

For: METHOD AND APPARATUS FOR
GENERATING LAYOUT REGIONS
WITH LOCAL PREFERRED
DIRECTIONS

PATENT APPLICATION

JOINT INVENTORS TO CORPORATION ASSIGNMENT

WHEREAS, the undersigned Inventors are the first, true, and joint inventors of certain new and useful inventions in:

METHOD AND APPARATUS FOR GENERATING LAYOUT REGIONS WITH LOCAL
PREFERRED DIRECTIONS

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the inventions, said application having Serial Number 11/005,162 and filed on 12/6/2004.

WHEREAS, Cadence Design Systems, Inc. (hereinafter termed "Assignee"), a corporation of the State of Delaware, having a place of business at 2655 Seely Ave., Building 5 MS 5B1, San Jose, CA 95134, wishes to acquire the entire right, title and interest in and to said application and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said Inventions"), 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 Inventions; (b) in and to all rights to apply in any or all countries of the world for patents, certificates of invention or other governmental grants on said Inventions, 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 invention or other governmental grants granted on said Inventions 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, but not be limited to, 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 Inventions; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said Inventions; and (g) for legal proceedings involving said Inventions and any applications therefore 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.

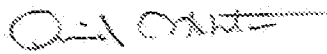
3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives, and assigns.

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

5. Said Inventors hereby jointly and severally consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file, or like document which may be required in any country for any purpose. Furthermore, said Inventors hereby jointly and severally consent that a copy of this assignment shall be proof of the right of said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

6. Said Inventors hereby covenant with said Assignee, its successors, assigns and legal representatives that the rights and property herein conveyed are free and clear of any encumbrance and that said Inventors have full right to convey the same as herein expressed.

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

(1)  Date: 07 Aug 2009
Anish Malhotra

(2) _____ Date: _____
Jonathan Frankle

(3) _____ Date: _____
Asmus Hetzel

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Anish Malhotra, et al.

Serial No.: 11/005,162

Filing Date: 12/6/2004

For: METHOD AND APPARATUS FOR
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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.

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5. Said Inventors hereby jointly and severally consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file, or like document which may be required in any country for any purpose. Furthermore, said Inventors hereby jointly and severally consent that a copy of this assignment shall be proof of the right of said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

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

(1) _____ Date: _____
Anish Malhotra

(2) Jonathan Franke Date: 11/28/2008
Jonathan Franke

(3) _____ Date: _____
Asmus Hetzel

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Anish Malhotra, et al.

Serial No.: 11/005,162

Filing Date: 12/6/2004

For: METHOD AND APPARATUS FOR
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-- 1 --

Attorney Docket: CDN.P0079
PTO Serial Number: 11/005,162

PATENT
REEL: 023555 FRAME: 0565

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, but not be limited to, 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 Inventions; (e) for filing and prosecuting applications for reissue of any of said patents; (f) for interference or other priority proceedings involving said Inventions; and (g) for legal proceedings involving said Inventions and any applications therefore 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.

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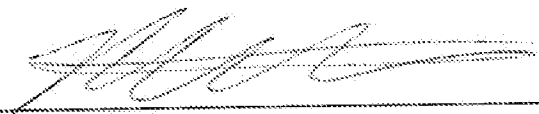
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IN WITNESS WHEREOF, said Inventors have executed this instrument on the date of acknowledgement as given below and delivered this instrument to said Assignee.

(1) _____ Date: _____
Anish Malhotra

(2) _____ Date: _____
Jonathan Frankle

(3)  _____ Date: 12/9/08
Asmus Hetzel

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Anish Malhotra, et al.

Serial No.: 11/005,162

Filing Date: 12/06/2004

For: METHOD AND APPARATUS FOR
GENERATING LAYOUT REGIONS
WITH LOCAL PREFERRED
DIRECTIONS

JOINT INVENTOR TO CORPORATION ASSIGNMENT

WHEREAS, the undersigned Inventors have invented certain new and useful improvements in:

METHOD AND APPARATUS FOR GENERATING LAYOUT REGIONS WITH LOCAL
PREFERRED DIRECTIONS

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention, said application having Serial Number 11/005,162 and filed on December 6, 2004.

WHEREAS Cadence Design Systems, Inc. (hereinafter termed "Assignee"), a corporation of the State of Delaware, having a place of business at 2655 Seely Ave., San Jose, CA 95134, 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.

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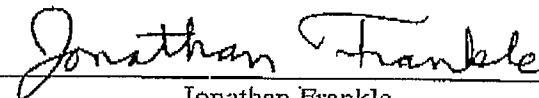
3. The terms and covenants of this Assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives, and assigns.

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.

(1) 
Anish Malhotra

Date: 11/16/2005

(2) 
Jonathan Frankle

Date: 11/16/2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application for:

Anish Malhotra, et al.

Serial No.: 11/005,162

Filing Date: 12/06/2004

For: METHOD AND APPARATUS FOR
GENERATING LAYOUT REGIONS
WITH LOCAL PREFERRED
DIRECTIONS

Examiner: Aric Lin

Group Art Unit: 2825

ASSIGNMENT ADDENDUM

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The attached assignment documents describe the assignment of rights by the three inventors of the above listed application to Cadence Design Systems, Inc. The rights of inventors Anish Malhotra and Jonathan Frankle were previously assigned to Cadence Design Systems, Inc. in an assignment received on 11/16/2005 and recorded at reel 016789 and frame 0862. The attached assignment documents are intended (in part) to confirm the previously filed assignment of the rights of inventors Anish Malhotra and Jonathan Frankle. The attached assignment documents are further intended to serve as an independently valid assignment in the event that the previously filed assignment is ever invalidated or otherwise set aside by any court or other governing authority.

Inventor Asmus Hetzel was, inadvertently and without deceptive intent, left off the original filing documents and was successfully added to the application by a petition decision

issued on 11/10/2009. Accordingly, the attached assignment documents are also intended (in part) to assign the rights of added inventor Asmus Hetzel to Cadence Design Systems, Inc.

Respectfully submitted,

Dated: November 23, 2009

By: /Adam Littman/
Adam Littman
Registration No. 61,014

Adeli & Tollen LLP
11940 San Vicente Blvd.Suite 100
Los Angeles, CA 90049
Tel. (310) 442-9300
Fax. (310) 442-9330