

Form PTO-1595 (Rev. 03-09)  
OMB No. 0651-0027 (exp. 03/31/2009)

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office

## RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

### 1. Name of conveying party(ies)

WILLIAM PIERCE EVANS

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

### 2. Name and address of receiving party(ies)

Name: CADENCE DESIGN SYSTEMS, INC.

Internal Address: \_\_\_\_\_

Street Address: 2655 SEELY AVENUE

City: SAN JOSE

State: CALIFORNIA

Country: USA Zip: 95134

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

### 3. Nature of conveyance/Execution Date(s):

Execution Date(s) 1/4/2010

- ☐ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☒ Other SEE ATTACHED

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

A. Patent Application No.(s)

12/640,461

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

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

### 5. Name and address to whom correspondence concerning document should be mailed:

Name: Jun Y. Lee

Internal Address: Rosenberg, Klein & Lee

Street Address: 3458 Ellicott Center Drive, Suite 101

City: Ellicott City

State: MD Zip: 21043

Phone Number: 410-465-6678

Fax Number: 410-461-3067

Email Address: \_\_\_\_\_

### 6. Total number of applications and patents involved: 1

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

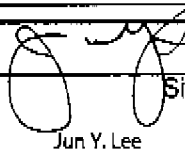
- ☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

### 8. Payment Information

Deposit Account Number 18-2011

Authorized User Name \_\_\_\_\_

### 9. Signature:

  
Signature  
Jun Y. Lee

1/6/2010

Date

Name of Person Signing

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

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Attachment for Recordation Form Cover Sheet

3. Nature of Conveyance:

Other: Record the correct name of the Assignee, previously recorded  
on Reel 23677/Frame 542.

MR3529-46

Form PTO-1595 (Rev. 03-09)  
OMB No. 0651-0027 (exp. 03/31/2009)

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WILLIAM PIERCE EVANS

**2. Name and address of receiving party(ies)**Name: CADENCE DESIGN, INC.

Internal Address: \_\_\_\_\_

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**Execution Date(s) 12/16/2009☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Joint Research Agreement☐ Government Interest Assignment☐ Executive Order 9424, Confirmatory License☐ Other \_\_\_\_\_Street Address: 2655 SEELY AVENUECity: SAN JOSEState: CALIFORNIACountry: USA Zip: 95134Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**☐ This document is being filed together with a new application.

A. Patent Application No.(s)

12/640,461

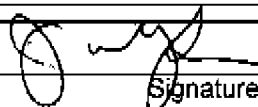
B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Jun Y. LeeInternal Address: Rosenberg, Klein & LeeStreet Address: 3458 Ellicott Center Drive, Suite 101City: Ellicott CityState: MDZip: 21043Phone Number: 410-465-6678Fax Number: 410-461-3067

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 to deposit account☐ Enclosed☐ None required (government interest not affecting title)**8. Payment Information**Deposit Account Number 18-2011

Authorized User Name \_\_\_\_\_

**9. Signature:**


12/17/2009

Date

Jun Y. Lee

Name of Person Signing

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PATENT TRADEMARK OFFICE

PATENT

REEL: 023742 FRAME: 0535

MR3529-46

## ASSIGNMENT DEED

This Assignment agreement is applicable to an invention entitled (Invention Title) CMOS PHASE INTERPOLATION SYSTEM

The PATENT RIGHTS referred to in this agreement are:

- (Check one) ☐ a Patent Application for this invention, executed by the ASSIGNOR(s) concurrently with this Assignment  
☒ U.S. Patent Application Serial No. 12/640,461, filed 12/17/2009  
☐ U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_

The PATENT RIGHTS assigned under this agreement are:

- (Check one) ☐ U.S. Patent rights only  
☒ worldwide Patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. Patent Application identified above.

The ASSIGNOR(s) referred to in this agreement is (or are):

(Full name of first assignor) William Pierce Evans

(Address) 9 Franklin Tree Ct.  
Catonsville, Maryland 21228

(Full name of second assignor, if any) \_\_\_\_\_

(Address) \_\_\_\_\_

(Full name of third assignor, if any) \_\_\_\_\_

(Address) \_\_\_\_\_

(Full name of fourth assignor, if any) \_\_\_\_\_

(Address) \_\_\_\_\_

The First ASSIGNEE referred to in this agreement is:

(Name of Assignee) Cadence Design Systems, Inc.

(Address of Assignee) 2655 Seely Avenue  
San Jose, California 95134

The Second ASSIGNEE referred to in this agreement is:

(Name of Assignee) \_\_\_\_\_

(Address of Assignee) \_\_\_\_\_

The First ASSIGNEE is:

- (Check one) ☐ an individual  
☐ a partnership  
☒ a Corporation of Delaware (State or Country)

The Second ASSIGNEE is:

- (Check one) ☐ an individual  
☐ a partnership  
☐ a Corporation of \_\_\_\_\_ (State or Country)

☐ Additional assignees are being named on separately numbered sheets attached hereto.

The ASSIGNOR(S), in consideration of \$1.00 paid by each ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, have and do hereby assign the following to each ASSIGNEE; their successors and assigns:

the full and exclusive right to the invention;  
 an equal interest in and to the entire right, title and interest in and to the PATENT RIGHTS in the invention, all continuations, continuations-in-part, divisionals, re-issues, and re-examination patents and patent applications; and  
 the right to claim priority under 35 U.S.C. 119, based on any earlier foreign applications for this invention.

As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(S) hereby authorize(s) and requests the Director of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE(s) as the ASSIGNEE(s) of an equal interest in the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE(s), their successors and assigns.

Further, the ASSIGNOR(s) agree(s) to communicate to said ASSIGNEE(s), or their representatives, any facts known to the ASSIGNOR(s) respecting said invention, and testify in any legal proceedings sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE(s), make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(s), their successors and assigns, to obtain and enforce proper protection for said invention.

William P Evans

(Signature of sole or first assignor) William Pierce Evans

(Date) 1/4/2010

(Signature of second assignor, if any) \_\_\_\_\_

(Date) \_\_\_\_\_

(Signature of third assignor, if any) \_\_\_\_\_

(Date) \_\_\_\_\_

(Signature of fourth assignor, if any) \_\_\_\_\_

(Date) \_\_\_\_\_

PATENT

REEL: 023742 FRAME: 0536

MR3529-46

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(Full name of second assignor, if any) \_\_\_\_\_

(Address) \_\_\_\_\_

(Full name of third assignor, if any) \_\_\_\_\_

(Address) \_\_\_\_\_

(Full name of fourth assignor, if any) \_\_\_\_\_

(Address) \_\_\_\_\_

The First ASSIGNEE referred to in this agreement is:

(Name of Assignee) Cadence Design, Inc.

(Address of Assignee) 2655 Seely Avenue  
San Jose, California 95134

The Second ASSIGNEE referred to in this agreement is:

(Name of Assignee) \_\_\_\_\_

(Address of Assignee) \_\_\_\_\_

The First ASSIGNEE is:

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☐ a partnership  
☒ a Corporation of Delaware (State or Country)

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☐ a partnership  
☐ a Corporation of \_\_\_\_\_ (State or Country)

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the full and exclusive right to the invention;

an equal interest in and to the entire right, title and interest in and to the PATENT RIGHTS in the invention, all continuations, continuations-in-part, divisionals, re-issues, and re-examination patents and patent applications; and the right to claim priority under 35 U.S.C. 119, based on any earlier foreign applications for this invention.

As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(S) hereby authorize(s) and requests the Director of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE(s) as the ASSIGNEE(s) of an equal interest in the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE(s), their successors and assigns.

Further, the ASSIGNOR(s) agree(s) to communicate to said ASSIGNEE(s), or their representatives, any facts known to the ASSIGNOR(s) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE(s), make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(s), their successors and assigns, to obtain and enforce proper protection for said invention.

William P Evans

(Signature of sole or first assignor) William Pierce Evans

(Date)

(Signature of second assignor, if any)

(Date)

(Signature of third assignor, if any)

(Date)

(Signature of fourth assignor, if any)

(Date)

PATENT

RECORDED: 01/06/2010

REEL: 023742 FRAME: 0537