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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)**

Ramani Pichumani

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

**3. Nature of conveyance/Execution Date(s):**Execution Date(s) 9/14/2005

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

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

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

Street Address: 2655 SEELY AVENUECity: SAN JOSE,State: CACountry: USA Zip: 95134

Additional 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)

11/228,281

B. Patent No. (s)

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**Name: MORTON J. ROSENBERG, ESQUIREInternal Address: ROSENBERG, KLEIN & LEEStreet Address: 3458 Ellicott Center DriveSuite 101City: ELLCOTT CITY,State: MD Zip: 21043Phone Number: 410-465-6678Fax Number: 410-461-3067Email Address: rkl@rklopatlaw.com**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)

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b. Deposit Account Number 18-2011

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

**9. Signature:**

Morton J. Rosenberg  
 Signature

9/13/2005  
 Date

MORTON J. ROSENBERG  
 Name of Person Signing

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

**2**

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PATENT

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## ASSIGNMENT DEED

This Assignment agreement is applicable to an invention entitled (Invention Title)  
**METHOD AND SYSTEM FOR DISPLAYING LARGE DATA SIGNALS**

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. 11/228,281, filed 9/19/2005  
☐ 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) Ramani Pichumani

(Address) 4133 Verdosa Drive  
Palo Alto, CA 94306

(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, CA 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. 110, 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 lastly 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.

Ramani Pichumani  
 Ramani (Signature of sole or first assignor) Pichumani

9/14/2005  
 (Date)

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

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

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

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

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

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