

MR3529-54/C2

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)
 FERAS AL-HAWARI; TARANJIT SINGH KUKAL; DENNIS NAGLE; RAYMOND KOMOW; JILIN TAN
 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) 1/3/11; 12/20/10; 1/3/11; 1/3/11; 1/3/11
 Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document is being filed together with a new application.
 A. Patent Application No.(s)
12/980,867
 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 50-5298
 Authorized User Name _____

9. Signature: Jun Y. Lee Signature 3/16/2011 Date
 Jun Y. Lee Name of Person Signing
 Total number of pages including cover sheet, attachments, and documents: 4

Documents to be recorded (including cover sheet) should be faxed to (671) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

CH \$40.00 505298 12980867

MR3529-54/C2

ASSIGNMENT DEED

This Assignment agreement is applicable to an invention entitled (invention Title) SYSTEM AND METHOD FOR ADAPTING BEHAVIORAL MODELS TO FLUCTUATIONS IN PARAMETRICALLY INTEGRATED ENVIRONMENT

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 12/980867, filed 12/29/2010
 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 sole or first Assignor FERAS AL-HAWARI
(Address) 270 Billerica Rd., Chelmsford, MA 01824

Full name of second Assignor, (if any) TARANJIT SINGH KUKAL
(Address) 6/149 Nirankari Colony, Delhi, Delhi 110009, India

Full name of third Assignor, (if any) DENNIS NAGLE
(Address) 5 Truman Road, Peabody, MA 01960

Full name of fourth Assignor, (if any) RAYMOND KOMOW (KOMOW IS FAMILY NAME)
(Address) 1 Herbert Rd., Chelmsford, MA 01824

Full name of fifth Assignor, (if any) JILIN TAN
(Address) 8 Whittemore Place, Nashua, NH 03064

Full name of sixth Assignor, (if any) _____
(Address) _____

Full name of seventh Assignor, (if any) _____
(Address) _____

Full name of eighth Assignor, (if any) _____
(Address) _____

Full name of ninth Assignor, (if any) _____
(Address) _____

MR3529-54/CZ

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 First ASSIGNEE IS:

(Check One) an individual
 a partnership
 a Corporation of Delaware (State or Country)

The second ASSIGNEE referred to in this agreement is:

(Name of Assignee) _____
(Address of Assignee) _____

The second ASSIGNEE IS:

(Check One) an individual
 a partnership
 a Corporation of _____ (State or Country)

The third ASSIGNEE referred to in this agreement is:

(Name of Assignee) _____
(Address of Assignee) _____

The third ASSIGNEE IS:

(Check One) an individual
 a partnership
 a Corporation of _____ (State or Country)

The fourth ASSIGNEE referred to in this agreement is:

(Name of Assignee) _____
(Address of Assignee) _____

The fourth ASSIGNEE IS:

(Check One) an individual
 a partnership
 a Corporation of _____ (State or Country)

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

MR3529-54/C2

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.

[Signature] 1/3/2011
(Signature of sole or first assignor) FERAS AL-HAWARI (Date)

[Signature] 20 December, 2010
(Signature of second assignor, if any) TARANJIT SINGH (Date)
KUKAL

[Signature] 1/3/11
(Signature of third assignor, if any) DENNIS NAGLE (Date)

[Signature] 1/3/11
(Signature of fourth assignor, if any) RAYMOND KOMOW (Date)

[Signature] 1/3/11
(Signature of fifth assignor, if any) JILIN TAN (Date)

(Signature of sixth assignor, if any) (Date)

(Signature of seventh assignor, if any) (Date)

(Signature of eighth assignor, if any) (Date)

(Signature of ninth assignor, if any) (Date)