ROSENBERG KLEIN AND LEE

MR3529-47

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PATENT	
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Name of conveying party(ies)	2. Name and address of receiving party(les)
	Name: <u>CADENCE DESIGN SYSTEMS, INC.</u>
HISHEK KANUNGO; PHIL GIANGARRA; YONGHAO CHÉN; FRANZ ERICH ARSCHNER	Internal Address:
Iditional name(s) of conveying party(ies) attached? Yes X No Nature of conveyance/Execution Date(s): xecution Date(s) <u>1/4/10; 1/6/10; 1/4/10; 4/2/10</u>	Street Address: 2655 SEELY AVENUE
Assignment Merger	City: <u>SAN JOSE</u>
Joint Research Agreement	State:CALIFORNIA
Government Interest Assignment Executive Order 9424, Confirmatory License	Country: <u>USA</u> Zip <u>95134</u>
Other	Additional name(s) & address(es) attached? Yes XNc
12/640,601 Additional numbers a	ttached? Yes No
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Nameuun Y. Lee	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00
Internal Address: Rosenberg, Klein & Lee	Authorized to be charged to deposit account
Street Address: <u>3458 Ellicott Center Drive, Sulte 101</u>	Enclosed None required (government interest not affecting title
City: Ellicott City	8. Payment Information
State: <u>MDZip21043</u>	-
Phone Number <u>#10-465-6678</u>	Deposit Account Number <u>18-2011</u>
Fax Number: <u>410-461-3067</u>	Authorized User Name
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9. Signature:	4/6/2010
9. Signature	Date
Jun Y. Lee Name of Person Signing	Total number of pages including cover 3 sheet, attachments, and documents:

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or malled to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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PATENT TRADEMARK OFFICE

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ASSIGNMENT DEED
METHOD AND SYSTEM FOR
This Assignment agreement is applicable to an invention entitled (invention Infe) Internet is applicable to an invention entitled (invention Infe) Infe Infe Infe Infe Infe Infe Infe Infe
The PATENT RIGHTS referred to in this agreement are. MODIL FOUR Director with this Assignment
1) S. Ratoot No.
The PATENT RIGHT'S assigned under this agreement are:
(Check one) U.S. Patent rights only U.S. Patent rights. In this case, the assignee shall have the right to claim the benefit of the illing date of
envitis Patent Andication Identified above.
The ASSIGNOR(s) referred to in this agreement is (or are):
The ASSIGNOR(s) referred to in this agreement is (or are). (Full name of first assignor) Abhtehek Kamungo (Address) <u>105 Spit Brook Road. 15F</u>
(Address) 105 Spir Store Noau, 177 Nashna, New Hampshire, 03062
(Full name of second assigner, Wany) _Phil Giangarra
(Full name of third assignor, if any) Yonghao. Chen
(Address) <u>3 Fave Terrace Lane</u> Groton, Massachusetts 01450
(Full pame of fourth essigner, if any) Franz Krich Marachner
(Address) <u>3919 River Walk</u> Ellicott City, Maryland 21042
The First ASSIGNEE referred to in this agreement is:
The First ASSIGNEE referred to in this agreement is: (Name of Assignee) <u>Cadence Design Systems, Inc.</u> (Address of Assignee) <u>2655, Seely Avenue</u>
Sen Jose, California 95134
The Country ACC/CNCE referred to in this screement is:
(Name of Assignee)
The First ASSIGNEE is: (Check one) 🛄 an individual
Tat a Corporation of <u>Delaware</u> (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 The ASSIGNOR(S). In consideration of \$1.00 paid by each ASSIGNEE, their excessors and assigns:
which is acknowledged, have and do hereby assign the following to each Assignment, this succession and designed
continuations, continuations-in-part, divisionals, re-issues, and re-examination prevents and prevent applied
entire right, the and interest, for the sole use and endyment of said Application and application of the representatives any lacts known to the
ASSIGNOR(s) respecting said invention, and teamy in any ingrit processings, soft on three processary assignment papers to cause continuation-in-part, substitute, renewal, reexamination and release applications, execute all necessary assignment papers to cause
continuation-in-part, substitute, renewal, reexamination and reliscue applications, execute all receivery of everything necessary or desir- any and ell Letters Patent to be issued to said ASSIGNEE(s), make all rightful oaths and generally do everything necessary or desir- able to aid said ASSIGNEE(s), their successors and easigns, to obtain and enforce proper protection for said invention.
able to aid said ASSIGNEE(s), med successions and addigner, to document of an and addigner, to document of a said ASSIGNEE (s), med successions and addigner, to document of a said ASSIGNEE (s), the document of a said ASSIGNEE (s), th
Signature of sofe by first assignation Abhishek Kanungo (Date)
(My Chargene
(Signature of second essigner, if any) Phil Glangarra (Date)
01/04/2010
Signature bi third assigner, if any) Yonghao Chen (Date)
(Signature of fourth assignor, if any) Franz Erich Marschner (Date)

PATENT REEL: 024196 FRAME: 0542 .

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ASSIGNMENT DEED	
	THOD AND SYSTEM FOR
This Assignment agreement is applicable to an invention entried (invention fille) <u>THE</u> PROVIDING AN IMPLICIT UNKNOWN VALUE TO USER ENUM DATA CONST.	RUCTS IN AN HOL SYSTEM TO
PROVIDING AN IMPLICIT UNKNOWN VALUE TO USER ENOUGH DATA CONT The PATENT BIGHTS released to in this agreement are: MODEL POWER SHUT	
(Check one) a Patent Application for this invention, a 2 (2 (0)	(12/17/2009)
The PATENT RIGHTS assigned under this agreement are.	
(Check one) U.S. Patent rights only	claim the benefit of the filing date of
any U.S. Patent Application identified above.	
	AND PROFESSION
(Full name of first assigner) <u>Abiliance</u> , kao <u>nica</u> (Address) <u>105 Spit Brook Road, 15F <u>Nashua, New Hampshire 03062</u></u>	
(Full name of second assignor, if any) Full Glaugaria (Address)24 Green Valley Rd Medway, Messachusette 02053	
Medway, Messachusetta 02053	
(Full name of third assignor, if any) Yonghao Chen	
(Full name of third assignor, if any) <u>Yonghao Chen</u> (Address) <u>3 Favm Terrace Lane</u> <u>Groton, Massachusetts 01450</u>	
/Evil pame of jourth essioner, (any)FTARZ_ETICH_MATHOMEL	
(Address) 3919 River Walk	A
Ellicott City, Maryland 210-22	
The First ASSIGNEE referred to in this agreement is	
Cadence Design. Inc.	and the second
(Name 3) Assignee) <u>2655 Seely Avenue</u> (Address of Assignee) <u>2655 Seely Avenue</u> San Jose, California 95134	
The Second ASSIGNEE referred to in this agreement is: (Name of Assignee)	
The First ASSIGNEE 15.	
(Checklone) 🔲 an Indivídual 🔲 a partnership	
(State or Country	1
The Second ASSIGNEE is: (Check one)	
a Corporation of(State or Country	A
· · · · · ·	
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 g	uccessors and assigns'
which is acknowledged, here and do hereby assign the tokowing to each Assistrate, their st	
	ATENT RIGHTS in the Invention, all
1	Invit Date instante baront ekkennen in i
As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNEE(s) as the AS	SIGNEE(s) of an equal interest in the
Director of Patents and Trademarks to issue all Leners Patent to the ABStance(a) as the re-	tessors and 8581905
entire right, bite and interest, for the sole use and eripsymetric static ASSIGNEE(5), or their Furthor, the ASSIGNOR(s) agree(s) to communicate to said ASSIGNEE(s), or their	representatives, any lacts known to the
continuation-in-part, substitute, renewal, reexamination and reason applications, excessional	navally do everything necessary or desir-
continuation-in-part, substitute, renewal, reexamination and ressue applications, execute an any and all Letters Patent to be issued to said ASSIGNEE(a), make all rightful oaths and ger able to aid said ASSIGNEE(s), their successors and assigns, to obtain and enforce proper pr	rotection for said invention.
ADIE IO BIO SBIO AGOININEE(S), MIER BOLLEGOUS CHE LLENGING TE PERSONA CHE CHEN	
	(Oate)
(Signature of sole or first assignor) Abh1ahak Kanungo	(0010)
(Signature of second assigner, if any) Phil. Glangarra	(Dale)
	(Dete)
(Signature of third assignor, if any) Yonghao Chen	
VELY Them	2 April 2010
(Signature of fourth assignor, if any) Franz Erich Marachner	* (Date)

PATENT REEL: 024196 FRAME: 0543_ ଯ୍ୟ