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Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Rebecca M. Klits Name of Person Signing Repecca M. Blets

February 3, 2000

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## RECORDATION FORM COVER SHEET

## PATENTS ONLY

Serial No. 09/410,356

1. Name of the conveying party(ies) Continued

Grant Martin, 2424 Raven Road, Pleasanton, CA 94566

Peter Paterson, 25585 Pacific Hills Drive, Mission Viejo, CA 92692

Khoan Truong, 2206 Glenview Drive, Milpitas, CA 95035

Kumar Venkatramani, 19495 Via Real Drive, Saratoga, CA 95070

## **ASSIGNMENT**

WHEREAS, WE, Henry Chang, Larry Cooke, Merrill Hunt, Wuudiann Ke, Christopher K. Lennard, Grant Martin, Peter Paterson, Khoan Truong, and Kumar Venkatramani hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: BLOCK BASED DESIGN METHODOLOGY

Application (Declaration/Oath) Execution Date:

Filing Date: September 30, 1999 Application No.: 09/410,356

WHEREAS, <u>Cadence Design Systems</u>, <u>Inc.</u>, a corporation of the State of <u>Delaware</u>, <u>2655 Seely Rd.</u>, <u>MS/5B1</u>, <u>San Jose</u>, <u>CA 95134</u>, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignors had this assignment and transfer not been made, to the full end and term of any such Letters Patent.

Assignors further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to
this assignment on the date indicated below.
Date: 12/15/99
Henry Chang
State of California
County of Santa Clara
on 12/15/99 before me, Rosemary V. Sanford watery Public
personally appeared Henry Chang personally known to me or proved to me on the basis of
satisfactory evidence to be the person( <b>x</b> ) whose name( <b>x</b> ) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their
authorized capacity(les), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
ROSEMARY V. SANFORD Commission # 1227701 Notary Public - California
Santa Clara County
Notary Public - California Santa Clara County Santa Clara County My Comm. Expires Jul 31, 2003 SEAL SEAL Signature of Notary Signature of Notary
<i>y</i>
IN TECTIMONIX WILEDEGE Assistant has because a signed big/ban games to this
IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this
assignment on the date indicated below.
assignment on the date indicated below. $ \mathcal{L} \qquad \qquad \mathcal{L} \qquad$
Date: 17 (15/99)
Date: 17/15/99  Larry Cooke  State of California
Date: 17/15/99  Larry Cooke  State of California
Date: 12[15/99 Larry Cooke Larry Cooke
Date: 12 [15/99]  Larry Cooke  State of California  County of Sarta Clara
Date: 12 15/99  Larry Cooke  State of Charles County of Santa Clara  County of Santa Clara  On 13/5/99 before me, Roseman V. Santard, Ditary Public personally appeared Larry Cooke personally known to me or proved to me on the basis of
State of Country of Sixta Clara  Country of Sixta Clara  On 13/15/99 before me, Roseman V. Saxtard, Ditary Public personally appeared Larry Cooke personally known to me or proved to me on the basis of satisfactory evidence to be the person(g) whose name(g) (is/are subscribed to the within
Date: 12 15/99  State of California  County of Sarta Clara  On 13/15/99 before me, Roseman V. Sartard Ditary Public  personally appeared Larry Cooke personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) (s/are subscribed to the within instrument and acknowledged to me that no/she/they executed the same in his/her/their
State of Country of Sixta Clara  Country of Sixta Clara  On 13/15/99 before me, Roseman V. Saxtard, Ditary Public personally appeared Larry Cooke personally known to me or proved to me on the basis of satisfactory evidence to be the person(g) whose name(g) (is/are subscribed to the within
State of Larry Cooke  State of Larry Cooke  State of Larry Cooke  County of Larry Cooke  On 12/15/99 before me, Rosenan V. Sarferd, Different Public personally appeared Larry Cooke personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) (s/are subscribed to the within instrument and acknowledged to me that ne/she/they executed the same in nis/her/their authorized capacity(hes), and that by his/her/their signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.  ROSEMARY V. SANFORD Commission # 1227701  WITNESS my hand and official seal.
Date: /2 / 99  Larry Cooke  State of Later Country of Later Cooke Deforment of State of Larry Cooke Deforment of Satisfactory evidence to be the person(s) whose name(s) (s/are subscribed to the within instrument and acknowledged to me that (ne/she/they executed the same in (nis/her/their authorized capacity(fes), and that by (nis/her/their signature(s)) on the instrument the person(s) or the antity upon behalf of which the person(s) acted, executed the instrument.

SEAL

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this
assignment on the date indicated below.
Date: 12/15/99 Merrill Hunt
State of California
County of Sarta Clara
On DIS 99 before me, Jose mary Janton Wotory Public personally appeared Merrill Hunt personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) s/s/are subscribed to the within instrument and acknowledged to me that so/she/they executed the same in his/her/their authorized capacity(less), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.  ROSEMARY V. SANFORD WITNESS my hand and official seal.
Commission # 1227701 Notary Public - California Santa Clara County My Comm. Expires Jul 31, 2003  SEAL  WITHLESS Thy Hand and official seal.  Signature of Notary  Signature of Notary  Signature of Notary
SEAL
IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.
Date: 2 2 2 2 0 2 1
Wuudiana Ko
State of Chalonic
County of Jaka Clara
On 1/4/00 before me, Kathryn L. Wheeler Notary Public, personally appeared Wuudiann Ke personally known to me or proved to me on the basis of
satisfactory evidence to be the person whose name (s) (s) are subscribed to the within
instrument and acknowledged to me that he/she/they executed the same in his/her/their
authorized capacity(ixs), and that by/his/hxf/th/fir signature(x) on the instrument the
person (a), or the entity upon behalf of which the person (a) acted, executed the instrument.
WITNESS my hand and official seal.
KATHRYN L. WHEELER Commission # 1198979 Notary Public - Collifornia Santa Clara County My Comm. Expires Oct 18, 2002

- 3 -

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this
assignment on the date indicated below.
Date: 12 /15/99 Christopher K. Lennard
State of California
County of Santa Clara
On LIS99 before me, Courself Lennard personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name (s) (s) are subscribed to the within instrument and acknowledged to me that he she/they executed the same in his/her/their authorized capacity((es), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed
ROSEMARY V. SANFORD Commission # 1227701 Notary Public - California Santa Clara Cc unty My Comm. Explanded 31, 2003 Signature of Notary Signature of Notary
SEAL
IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.
Date: Dec 17, 1999 Mat Mark
Grant Martin
State of <u>alifornie</u>
County of Sinta Clara
On 12/15/19 before me, Rosemary V. Santord Notory Public personally appeared Grant Martin personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) (s) are subscribed to the within
instrument and acknowledged to me that he/she/they executed the same in his/her/their
authorized capacity(ias), and that by his her/their signature(s) on the instrument the
ROSEMARY V. SANFORD Commission # 1227701 Notary Public - California Santa Clara County  With the person(3) acted, executed the instrument.  WITNESS my hand and official seal.
Notary Public - California Santa Clara County My Comm. Expires Jul 31, 2003 Signature of Notary  Signature of Notary

SEAL

Peter Paterson  State of Peter Paterson  State of Peter Paterson personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are-subscribed to the within instrument and acknowledged to me that the/sher/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.  ROSEMARY V. SANFORD Commission # 122701 Notary Public Collionial Sonra Clara County Ny Commission # 122701 Signature of Notary  Signature of Notary  WITNESS my hand and official seal.  IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.  Date: 19   99   State of California County of Sanfa Clara  On Distigal before me, Rosemany Sanfa S	assignment on the date indicated below	w.
Peter Paterson  State of Grown County of Count		 
County of Carte County of Cart	Date: 12/15/99	n h.
On		Peter Paterson
On D-5'9 before me, Norman United Sylvantory Public personally appeared Peter Paterson personally known to me or proyect to me on the basis of satisfactory evidence to be the person(s) whose name(s) (s/are-subscribed to the within instrument and acknowledged to me that (s/she/ther) executed the same in hijs/her/their authorized capacity(n/s), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.  ROSEMARY V. SANFORD Commission # 1227701 Notray Public Colifornia Sonta Clora County My Comm. Expres Jul 31, 2003 Signature of Notary State of California County of Sarta Claua  On Disp before me, Rosema V. Sanford Dersonally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) (s/are subscribed to the within instrument and acknowledged to me that ke/she/they executed the same in his/her/their authorized capacity(n/s), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.  WITNESS my hand and official seal.	State of <u>a (r-former)</u>	
personally appeared Peter Parerson personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are-subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(he/s), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.  ROSEMARY V. SANFORD  Commission # 1227701  Notary Public - California Sonta Clara County  My Comm. Expires Jul 31, 2003  Signature of Notary  Will Ness my hand and official seal.  On Dispersonally before me, Rosemary V. Antora Detoy Public Person(ally appeared Khoan Truong personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) (is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(hys), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.  WITNESS my hand and official seal.	County of rata Clara	
SEAL  IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.  Date: 199 before me, Kormany Andrea Dotory Holic personally appeared Khoan Truong personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) (s) are subscribed to the within instrument and acknowledged to me that he/she/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.  WITNESS my hand and official seal.	personally appeared <u>Peter Paterson</u> per of satisfactory evidence to be the pers instrument and acknowledged to me that authorized capacity(iss), and that by the	rsonally known to me or <u>proved</u> to me on the basis son(s) whose name(s) s/are subscribed to the within hat he/she/they executed the same in his/her/their his/her/their signature(s) on the instrument the
Notary Public - California Sanita Clara County My Commi. Expires Jul 31, 2003  SEAL  IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.  Date: 12   99   Khoan Truong  State of California  County of Santa Clara  On 19   99   before me, Rooman   Notary   Public   personally appeared Khoan Truong personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) (3)/are subscribed to the within instrument and acknowledged to me that ke/she/they executed the same in his/her/their authorized capacity(res), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.  ROSEMARY V. SANFORD  WITNESS my hand and official seal.		WITNESS my hand and official seal.
IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.  Date: 12   99   Khoan Truong  State of California  County of Santa Clara  On 1999 before me, Roseman Santa Dorry Public personally appeared Khoan Truong personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) (s/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ins), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.  ROSEMARY V. SANFORD WITNESS my hand and official seal.	Notary Public - California Santa Clara County My Comm. Expires Jul 31, 2003	Signature of Notary Remarky Wings
Date: 12 15 99  Khoan Truong  State of California  County of Sarta Clara  On 12/15/9 before me, Roseman Sarta State of Khoan Truong personally known to me or proved to me on the basis of satisfactory evidence to be the person(b) whose name(b) (3/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ings), and that by his/her/their signature(b) on the instrument the person(s), or the entity upon behalf of which the person(b) acted, executed the instrument.  ROSEMARY V. SANFORD  WITNESS my hand and official seal.	SEAL	
On 19/15/99 before me, Rosemary Sanford Datory Public personally appeared Khoan Truong personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) (s/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(igs), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.  ROSEMARY V. SANFORD WITNESS my hand and official seal.	assignment on the date indicated below	w. Khantung
On 19/15/99 before me, Kosemary V. Sanford Wolfry Public personally appeared Khoan Truong personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) (s)/are subscribed to the within instrument and acknowledged to me that ke/she/they executed the same in his/her/their authorized capacity(igs), and that by kis/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.  ROSEMARY V. SANFORD WITNESS my hand and official seal.	State of California	
personally appeared Khoan Truong personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) (s/are subscribed to the within instrument and acknowledged to me that ke/she/they executed the same in his/her/their authorized capacity(igs), and that by kis/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.  ROSEMARY V. SANFORD  WITNESS my hand and official seal.	County of Santa Clara	
	personally appeared Khoan Truong personally appeared Khoan Truong person of satisfactory evidence to be the person instrument and acknowledged to me that authorized capacity(inst), and that by kings.	sonally known to me <b>or</b> proved to me on the basis con(s) whose name(s) (s/are subscribed to the within nat he/she/they executed the same in his/her/their is/her/their signature(s) on the instrument the
Santa Clara County  My Comm. Expirer uniform Society  SEAL  Signature of Notary  Signature of Notary	Commission # 1227701 Notary Public - California & Santa Ciara County My Comm. Expires J. Line (1971)	WITNESS my hand and official seal.  Signature of Notary Spok many V Serford

- 5 -

IN TESTIMONY WHEREOF, Assign assignment on the date indicated below	or has hereunto signed his/her name to this	
•		
Date: Jan 18th 2000	Rumar Yerkatraman	
	Kumar Yerkatramani	
State of California		
County of Sata Clara		
On 1/18/00 before me, Ardy A. Owell, Notary (which personally appeared Kumar Venkat/amani personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(jes), and that by his/her/their signature(s) on the		
instrument the person(st. or the entity i	upon behalf of which the person(s) acted, executed	
the instrument.	μοιν σοιταίν φι τιτιών, από μονοσιτήρη απόσου, οπόσους	
***************************************	WITNESS my hand and official seal.	
CAROLYN A. POWELL Commission # 1244477  Notary Public - California	Signature of Notary Caron a Contact	

SEAL

- 6 -

**RECORDED: 02/07/2000**