Form **PTO-1595**

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

HEET

Docket No. CA7039392001

11.30.04	1020	Docket No. CA7039	9392001
To the Honorable Commissioner of Patents	and Trademarks: Ples	ase record the attached original documents or copy thereof.	
Name of conveying party(ies):	2.		0
 Vinaya K. Singh Tarun Garg 		lame: Cadence Design Systems, Inc. nternal Address:	1327
 ☑ Individual(s) ☐ General Partnership ☐ Corporation-State ☐ Association ☐ Limited Pother 		treet Address: 2655 Seely Avenue	19587 U 11/001
Additional name(s) of conveying party(ies) attached	i? □ Yes 🗷 No 📗 C	City: San Jose State: CA Zip Code: 95134	
3. Nature of conveyance:	A	additional name(s) & address(es) attached? ☐ Yes 区 No	
☑ Assignment☐ Merger☐ Security Agreement☐ Other:☐ Change of Name	ie		
Execution Dates: 1. <u>November 22, 2004</u> 2. <u>November 22, 2004</u>			
4. Application number(s) or patent number(s):			
If this document is being filed together with a new application, the execution date of the application is: November 30, 2004			
A. Patent Application No.(s):	B.	Patent No.(s):	
Additional numbers attached? □ Yes ☑ No			
Name and address of party to whom correspondence concerning document should be mailed:		. Total number of applications and patents involved: 1	
		7. Total fee (37 C.F.R. § 3.41): \$40.00	
Peter C. Mei		. Total Ice (57 C.I.R. § 5.41). \$40.00	
Bingham McCutchen LLP		□ Enclosed	
Three Embarcadero, Suite 1800		Authorized to be charged to deposit account, refer	rencing
San Francisco, CA 94111-4067	_	billing no. 7039392001	
TT () which is both at him day shows our focus and a		5. Deposit account number: 50-2518	0-2518
The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 50-2518 DO NOT USE THIS SPACE			
9. 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. Name: Janet D. Chance Date: November 30, 2004			
Registration No. 55,048 Signar	re		
Total number of pages including cover sheet, attachments, and document: 3			
Mail documents to be recorded with required cover sheet information to:			
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Director of the U.S. Patent and Trademark Office			
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PATENT REEL: 016056 FRAME: 0873

PA/52146581/2019535-7039392001

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, WE, VINAYA K. SINGH, a citizen of India, and TARUN GARG, a sitizen of India, hereinafter referred to as "ASSIGNORS"), have invented a certain nvention entitled TRANSFORMATION OF SIMPLE SUBSET OF PSL INTO SERE MPLICATION FORMULAS FOR VERIFICATION WITH MODEL CHECKING AND SIMULATION ENGINES USING SEMANTIC PRESERVING REWRITE RULES for which application for Letters Patent of the United States of America has been executed on even date herewith; and

WHEREAS, CADENCE DESIGN SYSTEMS, INC., a corporation organized and existing under and by virtue of the laws of the state of DELAWARE and having its place of business at 2655 Seely Avenue, San Jose, California 95134 (hereinafter referred to is "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent or similar legal protection to be obtained therefore in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is tereby acknowledged, ASSIGNORS hereby sell, assign, transfer and set over unto the said ASSIGNEE, its successors and assigns, the full and exclusive right, title and nterest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application, and to any continuation, division, renewal, substitute or reissue thereof or any legal equivalent hereof in the United States or a foreign country for the full term or terms for which the

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same may be granted, including all priority rights under the International Convention; and ASSIGNORS hereby authorize and request the United States Commissioner of Patents and Trademark and any officials of foreign countries whose duty it is to issue patents or any legal equivalent thereof to said ASSIGNEE, its successors and assigns, in accordance with this Agreement.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Agreement.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents in the United States or in any foreign county, which may be necessary or desirable to carry out the purpose thereof.

Date: 1/21/2004

Vinaya K. Singh

Date: 11 22 2004

Tanın Garo

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PATENT REEL: 016056 FRAME: 0875

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, WE, VINAYA K. SINGH, a citizen of India, and TARUN GARG, a citizen of India, hereinafter referred to as "ASSIGNORS"), have invented a certain revention entitled TRANSFORMATION OF SIMPLE SUBSET OF PSL INTO SERE MPLICATION FORMULAS FOR VERIFICATION WITH MODEL CHECKING AND SIMULATION ENGINES USING SEMANTIC PRESERVING REWRITE RULES for which application for Letters Patent of the United States of America has been executed on even date herewith; and

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NOW, THEREFORE, for good and valuable consideration, the receipt of which is need to be acknowledged, ASSIGNORS hereby sell, assign, transfer and set over unto the said ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application, and to any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the

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Vinava K. Singh

Date: 11 22 2004

Tarun Garg

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RECORDED: 11/30/2004

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PATENT REEL: 016056 FRAME: 0877