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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Sanjib Ghosh	02/02/2009
Vandana Gupta	02/02/2009
Hitesh Marwah	02/02/2009
Mahendra Singh Khalsa	02/02/2009
Pawan Fangaria	02/02/2009

RECEIVING PARTY DATA

Name:	Cadence Design Systems, Inc.
Street Address:	2655 Seely Avenue
City:	San Jose
State/Country:	CALIFORNIA
Postal Code:	95134

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12233460

CORRESPONDENCE DATA

Fax Number: (415)276-6599

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (415) 276-6500

Email: eileenbowen@dwt.com Correspondent Name: Davis Wright Tremaine LLP

Address Line 1: 505 Montgomery Street, Suite 800

Address Line 4: San Francisco, CALIFORNIA 94111-6533

NAME OF SURMITTED:	Michael G. Clayaland
ATTORNEY DOCKET NUMBER:	BTAT.014US0

PATENT

REEL: 022243 FRAME: 0467

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Total Attachments: 3 source=BTAT014US0_Recordation_Assignment_2#page1.tif source=BTAT014US0_Recordation_Assignment_2#page2.tif source=BTAT014US0_Recordation_Assignment_2#page3.tif

PATENT REEL: 022243 FRAME: 0468 RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE

RECORDATION FOR				
PATENTS ONLY TO THE HONORABLE DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE. PLEASE RECORD THE ATTACHED				
ORIGINAL DOCUMENTS OR COPY THEREOF.	AND TRADEMARK OFFICE. PECASE RECORD THE ATTACHED			
Name of conveying party(ies):	Name and address of receiving party(ies):			
(a) Sanjib Ghosh	Cadence Design Systems, Inc.			
(b) Vandana Gupta (c) Hìtesh Marwah	2655 Seely Avenue			
(c) Hitesh Marwah (d) Mahendra Singh Khalsa	San Jose, CA 95134			
(e) Pawan Fangaria	USA			
Additional name(s) of conveying party(ies) attached?				
☐ Yes ☒ No				
3. Nature of Conveyance:	Name and address of receiving party(ies):			
Assignment Merger	Name:			
	Street Address:			
Security Agreement Change of Name	City; State: Zip:			
Other	Country:			
Execution Date: (a) 2/2/09 (b) 2/2/09	Additional name(s) & address(es) attached? Yes Mo			
(c) 2/2/09 (d) 2/2/09 (e) 2/2/09				
Application number(s) or patent number(s):				
If this document is being filed together with a new application, the	ne execution date of the application is:			
A. Patent Application No.(s) - 12/233,460	B. Patent No.(s)			
Filing Date: September 18, 2008				
Title: Congestion Aware Block Placement				
Additional num	bers attached? Yes No			
Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved:			
Name: Michael G. Cleveland				
Internal Address: Davis Wright Tremaine LLP				
	7. Total fee (37 CFR 3.41): \$0.00			
	The \$40.00 fee has been authorized via EFS. Please			
City San Francisco State CA Zip 94111-6533	charge Deposit Account No. 04-0258 any additional fees required for this conveyance and credit Deposit Account			
	No. 04-0258 any amounts overpaid.			
DO NOT USE THIS SPACE				
Statement and signature.				
	ion is true and correct and any attached conv is a true conv of the			
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.				
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Michael G. Cleveland, Reg. No. 46,030 Name of Person Signing	Signature February 10, 2009 Date			
	number of pages including cover sheet, attachments, and documents: 2			

PATENT REEL: 022243 FRAME: 0469

<u>ASSIGNMENT</u>

For good and valuable consideration, receipt of which is hereby acknowledged, we

Sanjib Ghosh of UP, India Vandana Gupta of Delhi, India Hitesh Marwah of UP, India Mahendra Singh Khalsa of UP, India Pawan Fangaria of of UP, India

hereby sell, assign and transfer to Cadence Design Systems, Inc., a Delaware corporation, having a place of business at 2655 Seely Avenue, San Jose, California 95134, its successors and assigns, the entire right, title and interest throughout the world in our invention in:

CONGESTION AWARE BLOCK PLACEMENT

for which we filed a United States Patent Application on September 18, 2008, which now has Application Serial No.12/233,460, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 2nd day of _	tebruary	, 2009.
		Sanjib Glock
		Śanjib Ghosh
		e e e e e e e e e e e e e e e e e e e
Executed this 2 day of	February	, 2009.
	J	Vardane
·		Vandana Gupta
m di	,	
Executed this 2nd day of _	<u> LEDAMANY</u>	, 2009.
		Jegaryen.
		Hitesh Marwah

Attorney Docket No.: BTAT.014US0 Page 1 of 2

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	have an information of a characteristic control of the characteristic characteris	Mahendra Singh Khalsa
Executed this 2 day of	Gebruary	, 2009.
	. —	House
		Pawan Fangaria

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RECORDED: 02/11/2009