FORM PTO-1595	01-28-200	
		HEET Patent and Trademark Office
	101960428	Attorney Docket No. 10008019-1
1. Name of conveying party(ies).	101900420	and address of receiving party(ies):
Padmanabha I. Venkitakrishnan		
Shankar Venkataraman		Intallectual Property Administration P.C. Dox 272400
Stuart C. Siu		Fort Collins, Colorado 80527-2400
1-	-16-02	. 6 × ∞ 02
Additional name(s) of conveying party(ies) a	ttached Yes No	Additional name(s) & address(es) attached?Yes <u>X</u> No
3. Nature of Conveyance:		
X_Assignment	Merger	Change of Name
Security Agreement	Cther	
Execution Date(s): 08/24/2001; 08	/27/2001	
4. Application number(s) or patent i		
If this document is being filed toge	ther with a new appli	cation, execution date of the application is:
A. Patent Application No.(s)		B. Patent No.(s)
Application No.: 09/942,328	Date Filed: 08	2/28/2001
Confirmation No.: 7710		ers attached? NO
5. Name and address of party to whom correspondence concerning document should be mailed: Records Manager		6. Tctal number of applications and patents involved <u>:1</u>
		7. Total Fee (37 CFR 3.41): \$40.00
HEWLETT-PACKARD COMP	ANY	Enclosed
Ann Jesus 1501 Page Mill Road M/S 4 Palo Alto, CA 94304	U-10	X Authorization to be charged to deposit account.
Λ	328	8. Deposit Account Number: 08-2025
125/2002 AAHEED1 000001/1 000001		E THIS SPACE
1 FC:581 40.00 CH		
9. Statement and signature. To the best of my knowledge and true copy of the original document	l belief, the foregoing t.	information is true and correct and any attached copy is a
Ann Jesus	Jun	Dec 07, 2001
Name of Person Signing	Signature /	Date
Tot	al number of pages inclu	uding cover sheet, attachments, and document: <u>3</u>
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		Assignmen PATENT REEL: 012496 FRAME: 0498

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## ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD COMPANY, a Delaware corporation having its principal place of business in Palo Alto, California, (hereinafter HP), in furtherance of my/our obligations to HP, and do hereby assign and transfer to HP, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States entitled:

A Streamlined Cache Coherency Protocol System And Method For A Multiple Processor Single\_Chip Device

Filing date: 08/28/2001 Application No.: 09/942,328

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters Patent.

I/we additionally authorize HP to file applications in my/our name for Letters Patent in any country. to be held and enjoyed by HP, its successors, assigns, nominees or legal representatives. to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request ic made, and without undue delay, execute and deliver all such papers is may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said invention and said Letters Patent, to HP, its successors, assigns, nominees or legal representatives, and //we agree to communicate to HP, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful caths and declarations, and generally to do everything possible to aid HP, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HP;

AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose dut patents on applications as aforesaid, to issue to HP, as assignee of the entire right, tit 🧠 interest, any and all Letters Patent for said invention(s) or improvement(s), including any and an - rs Patent of the United States which may be issued and granted on or as a result of the applicatic. aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct HP attorneys to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

NUMEREOF	/we hereunto se	t my/our hand(s) and seal(s):
R. Ventratztruturen		t my/our hand(s) and seal(s): Date Assignment Signed:Aug 24, 2001
Inventor's Signature (Seal)		Date Application Signed: AUG 24, 2001
Inventor's Typed Name: Padmanabha	I. Venkitakrishnan	Date Application Signed: 7709277
State of	) ) ss.:	
County of	)	
p ( , , , , , , this day of	,	personally appeared <u>Padmanabha I. Venkitakrishnan</u> who

is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.

> Notary Public My commPATENT REEL: 012496 FRAME: 0499

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HEWLETT-PACKARD COMPANY Intellectual Property Administration	ATTORNEY DOCKET NO. 10008019-1
P. O. Box 272400 Fort Collins, Colorado 80527-2400	
ASSIGNMENT OF PA	TENT APPLICATION (cont.)
IN WITNESS WHEREOF, I we hereunto set my/our ha	and(s) and seal(s):
Date A	Assignment Signed: 27-AUG-2001 Date Application Signed: 27-A-UG-2001
N Inventor's Typed Name: Shankar Venkataraman	Date Application Signed: 27-A-UG - 2001
State of California )	
County of Santa Clara ) ss.:	
Before me this <u>27t</u> May of <u>August 2001</u> , personal	ly appeared Shankar Venkataraman who
is personally known or proved to me on the basis of satisfactor instrument of assignment to be his/her free act and deed.	y evidence to be the person who acknowledged the foregoing
ANN W. JESU	and Juliero
Commission # 128	6960 Notary Public
Notary Public - Cai Santa Clara Cou	untv v
My Comm. Expires Dec	11,2004
SIT STA	ssignment Signed: 8 27 2001
Inventor's Signature (Seal)	
Inventor's Typed Name: Stuart C. Siu	Date Application Signed: 8/27/2001
State of California )	
) ss.: County of Santa Clara )	
Before me this Aday of <u>CCCCCCCCC</u> , personal	y appeared <u>Stuart C. Siu</u> who
is personally known or proved to me on the basis of satisfactor instrument of assignment to be his/her free act and deed.	
ALBA P. ESCOBAR	Chief Bleder
Commission # 1232608	Notery Public My commission expires: COM 2007
Notary Public - California S Santa Clara County	
My Comm. Expires Aug 20, 2003	
Date A	Assignment Signed:
Inventor's Signature (Seal)	
Inventor's Typed Name:	Date Application Signed:
State of )	
County of )	
Before me this day of, persona, persona is personally known or proved to me on the basis of satisfacto	lly appeared who
is personally known or proved to me on the basis of satisfacto instrument of assignment to be his/her free act and deed.	there as he the nergon who acknowledged the foregoing
	ry evidence to be the person who acknowledged the foregoing
	ry evidence to be the person who acknowledged the foregoing

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RECORDED: 01/16/2002