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To the Honorable Commissioner of Patents and Trademarks: Please record the attached strainer at documents of copy	thereof.
1. Name of conveying party(ies): 2. Name and address of received	ving parties: O
(1) Ranjani NarayanName: Hewlett-Packard D(2) Kiran Kumar KasturiCompany, L.P.(3) Meera K. RaghunandanInternal Address:	evelopment 3362 U.S. 17/0776
(4) Scott T. Millward (5) Sabyasachi Sengupta Street Address: <u>20555 S.H.</u>	249
Additional name(s) of conveying parties attached? [] YES [X] NO Zip: <u>77070</u> Country: <u>U.S.A</u>	
3. Nature of conveyance: Additional name(s) & address(es) attained [X] Assignment [] Merger [] Security Agreement [] Change of Name	
[] Security Agreement [] Change of Name	
[] Other	
Execution Date: <u>March 2, 2005 for Ranjani Narayan, Kiran</u> <u>Kumar Kasturi, Meera K. Raghunandan, Sabyasachi Sengupta</u> and February 28, 2005 for Scott T. Millward	
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application, the execution dates of the application are: <u>Marayan, Kiran Kumar Kasturi, Meera K. Raghunandan, Sabyasachi Sengupta and February 28, 2005</u>	<u>rch 2, 2005 for Ranjani</u> for Scott T. Millward
A. Patent Application No(s).: B. Patent No(s).:	
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Additional numbers attached? [] YES [X] NO	s involved: [1]
Additional numbers attached? [] YES [X] NO 5. Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of application and patent 7. Total fee 937 CFR 3.41) [X] Enclosed Name: LADAS & PARRY LLP Internal Address: 5670 Wilshire Boulevard, #2100	s involved: [1] \$ <u>40.00</u> 7 be required are
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When recorded please return to:	PATEN	IT APPLICATION
HEWLETT-PACKARD COMPANY Intellectual Property Administrator	ATTORNEY DOCKET NO.	200206986-2
P. O. Box 272400 Fort Collins, Colorado 80527-2400		

ASSIGNMENT OF PATENT APPLICATION I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), in furtherance of my/our obligations to the Hewlett-Packard Company and its subsidiaries and affiliates, and do hereby assign and transfer to HPDC, 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:

Nethod And Apparatus For Dumping Memory

Filing date:

Application No.:

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 HPDC to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by HPDC, 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 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 is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to HPDC, its successors, assigns, nominees or legal representatives, and i/we agree to communicate to HPDC, 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-HPS, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid HPDC, 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 constraints and desidence and applications such as a paid by HPDC. cooperation and assistance are paid by HPDC;

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 duty it is to issue patents on applications as aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, any and all Latters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct the attorneys of record 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.

IN WITNESS WHEREOF, I/we	hereunto	set my/our hand(s) a		
IN WITNESS WHEREOF, I/we		Date Assignment Signe	02-N	1an-05
Inventor s Signature (Seal)				
Inventor's Typed Name: <u>Ranjani, Naravan</u>		Date App	lication Signed:	02-Mar-05
State of)			
County of) ss.:)			
Before the this day of		personally appeared	Content Marsus	

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 commission andres:

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(Use Page Two For Additional Inventor(a) Signature(a))

Page 1 of 3

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P. C. Nex 272400 Fort Collins, Colorado 80	827-2400		
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	ASSIGNMENT OF PATI	Bit Application (cont.)	
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	HEWLETT-PACKARD COMPANY Intelectual Property Administration
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1	P. O. Box 272400
ľ	Fort Colline, Colorado 20527-2400
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PATENT APPLICATION ATTOMEY DOCKET NO. 200208986-2

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seai(s):

		Date Assignment Signed:
Inventor's Signature (Seel)	······································	
Inventor's Typed Name: 191	AN RIMAR KASTUR	Date Application Signed:
State of		
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Before me this da	w of	, personally appeared who is
personally known or prove	id to me on the basis of a be his/her free act and dee	satisfactory evidence to be the person who acknowledged the foregoing
		Notary Rublic
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nventor's Typed Name: ME	ERA K RAGHUNANDAN	Date Application Signed:
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inventor's Typed Nems: Sci	oft T Millward	Date Application Signed: 2/28/2005
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Before me this _____day of _______, personally appeared <u>Socit T Milhyard</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 commission expires:

(Use Page Three For Additional Inventor(s) Signature(s))

Page 2 of 3

Rev 12/64 (Assign)

PATENT REEL: 016380 FRAME: 0656 . •

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I we hereunto set my/our hand(s) and seal(s):

Satyasashi Singapta	Date Assignment Signed: Mar 122 12 00 5
entor's Signature (Seal)	Date Assignment Signed: Mar 12/2005
intor's Typed Name: SABYASACHI SENGUPT.	A Date Application Signed
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	Ny commission expires:
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