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FORM PTO-1595 1-31-92 RECORDATION FOR	U.S. DEPARTMENT OF COMMERCE M COVER SHEET Patent and Trademark Office	
PATENTS O	ONLY Attorney Docket No. 200206475-1	
Name of conveying party(ies):	2. Name and address of receiving party(ies):	
Manish SHARMA	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	
Manoj K BHATTACHARYYA	20555 SH 249 Houston, TX 77070	
Brian R SHORT		
Additional name(s) of conveying party(ies) attachedYes X No	Additional name(s) & address(es) attached?Yes _X_ No	
3. Nature of Conveyance:		
X Assignment Merger	Change of Name	
Security Agreement Other		
Execution Date(s): 04/15/03,04/15/03,04/15/03		
4. Application number(s) or patent number(s):		
If this document is being filed together with a new appl	ication, execution date of the application is:	
A. Patent Application No.(s)	B. Patent No.(s)	
Application No.: 10/417,054 Date Filed: 0	Date Filed: 04/16/03	
Confirmation No.: Additional numb	Additional numbers attached? NO	
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1	
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PATENT APPLICATION

ATTORNEY DOCKET NO. 200206475-1

10/417054

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:

Application No.:

7,1,50,50,50,50
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 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-I-P's, 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 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 Letters 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) and seal(s):
Inventor's Typed Name: Manish Sharma Date Assignment Signed: 15 April 2003 Date Assignment Signed: 15 April 2003 Date Application Signed: 15 April 2003
Date Application Signed: (5 Apr. D - 2003
Inventor's Typed Name: Manish Sharma Date Application Signed: 13 April 2005
State of) ss.:
County of)
Before me thisday of, personally appearedManish Sharma 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.

PATENT REEL: 013719 Fሺጃ**ሰ**ế: 0053

Notary Public My commission expires: When recorded please return to:
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Intellectual Property Administration
P. O. Box 272400
Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. __200206475-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I/we hereunto se	et my/our hand(s) and seal(s):
& Bhailachanne	Date Assignment Signed: AB37 111, 200 3
Inventor's Signature (Seal)	
Inventor's Typed Name: Manoj K. Bhattacharyya	Date Application Signed: A-531 15 , 2-603
State of)	·
) ss.: County of	
County 61	
Before me this day of personally known or proved to me on the basis instrument of assignment to be his/her free act and	, personally appeared Manoj K. Bhattacharyya who is of satisfactory evidence to be the person who acknowledged the foregoing deed.
	Notary Public
	My commission expires:
nventor's Signature (Seal) nventor's Typed Name: Brian R. Short State of California) ss.: County of Santa Clara) Before me this 15 day of April , 2003 personally known or proved to me on the basis instrument of assignment to be his/her free act and ALSA P. EJCOLAR Commission in 1222602 Notory Public - Collionid Senta Clara County My Comm. Pobles Aug 20, 2033	, personally appeared short who is of satisfactory evidence to be the person who acknowledged the foregoing
A Control of the cont	
	Date Assignment Signed:
nventor's Signature (Seal)	
oventor's Typed Name:	Date Application Signed:
itate of	
) ss.:	
county of)	
Before me this day of ersonally known or proved to me on the basis of strument of assignment to be his/her free act and of	, personally appeared who is of satisfactory evidence to be the person who acknowledged the foregoing deed.
	The state of the s
	Notary Public My commission expires:

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

Page 2 of 2

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