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			Patent and Trademark Offic
1. Name of conveying party(ies):	10175	5430	Attorney Docket No. 10004337-1
Shital Mitra		145704	address of receiving party(ies):
Anthony L. Chen	<i>U</i>)	Intellectu P.O. Box	T-PACKARD COMPANY ual Property Administration 272400 ins, Colorado 80527-2400
Additional name(s) of conveying party(ies) attache	edYes _X No	Additional name	e(s) & address(es) attached?Yes _X_ No
3. Nature of Conveyance:			
X Assignment	Merger		Change of Name
Security Agreement	Other		
Execution Date(s): 10/16/2000			
4. Application number(s) or patent numb	er(s):		
If this document is being filed together v	with a new appli	cation, executio	on date of the application is: N/A
A. Patent Application No.(s)		B. Patent No.(s)
Serial No.: 09/687,329 Date Filed: 10/	13/2000	N/A	
Д	Additional numbe	ers attached?	NO
5. Name and address of party to whom c concerning document should be mailed		6. Total numb	er of applications and patents involved: 1
Records Manager		7. Total Fee (3	37 CFR 3.41): \$40.00
HEWLETT-PACKARD COMPANY Terry Flores, MS 44L18		Encl	osed
19111 Pruneridge Avenue Cupertino, CA 95014		_X Autl	horization to be charged to deposit account.
•		8. Deposit Ac	count Number: 08-2025
	DO NOT USE	THIS SPACE	
3. Statement and signature.			
_	the foregoing in	nformation is tru	ue and correct and any attached copy is a
David M. Mason	Duck		6/12/01
Name of Person Signing	Signature		Date
Total number	er of pages includi	ing cover sheet, a	attachments, and document: 4
OMB No. 0651-0011 (exp. 4/94)			
Mail document to be recorded with requi	red cover sheet Commissio Box A	ch this portion information to: oner for Patents Assignment on, D.C. 20231	

PATENT REEL: 011902 FRAME: 0184

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PATENT APPLICATION

ATTORNEY DOCKET NO. 10004337-1

HEWLETT-PACKARD COMPANY Intellectual Property Administration P. O. Box 272400 Fort Collins, Colorado 80527-2400

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ASSIGNMENT OF PATENT APPLICATION

IAWe, 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:

In the invention(s) and improvement(s) set forth therein, and any and all continuations, tinuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said ters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which ye be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters ent. I/we additionally authorize HP to file applications in my/our name for Letters Patent in any country, to held and enjoyed by HP, its successors, assigns, nominees or legal representatives, to the full end of term or terms for which said Letters Patent respectively may be granted, reissued or extended, as yand entirely as the same would have been held and enjoyed by me/us had this assignment, and it/we have not executed and will not execute any agreement in conflict herewith, and I/we further enant and agree that I/we will, each time a request is made, and without undue delay, execute and ver all such papers as may be necessary or desirable to perfect the title to said invention(s) or reverentlys), said application and said Letters Patent, to HP, its successors, assigns, nominees or legal resentatives, and I/we agree to communicate to HP, or to its nominee, all known that strespecting said ention(s) or improvement(s), said application and said Letters Patent, to testify in any legal ention(s) or improvement(s), said application and said Letters Patent, to testify in any legal ention(s) or improvement(s), said application and said Letters Patent, to testify in any legal ention(s) or improvement(s), said application and said Letters Patent, to testify in any legal ention(s) or improvement(s), said application and said contains and declarations, and generally to do rything possible to aid HP, its successors, assigns, nominees and legal representatives to obtain and orce, for its or their own one benefit, proper patent protection for said invention(s) or improvement(s) in and all countries provided the expenses which	an application f									
If the invention(s) and improvement(s) set forth therein, and any and all continuations, trinuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said ters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters ent. I/we additionally authorize HP to file applications in my/our name for Letters Patent in any country, to held and enjoyed by HP, its successors, assigns, nominees or legal representatives, to the full end of term or terms for which said Latters Patent respectively may be granted, reissued or extended, as y and entirely as the same would have been held and enjoyed by me/us had this assignment, and sister not been made; AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and to tower and agree that I/we will, each time a request is made, and without undue delay, execute and ver all such papers as may be necessary or desirable to perfect the title to said, execute and ver all such papers as may be necessary or desirable to perfect the title to said entire the reverse of the papers as may be necessary or desirable to perfect the title to said entire the reverse of the papers as may be necessary or desirable to perfect the title to said entire the reverse of the papers as may be necessary or desirable to perfect the title to said entire the reverse of the papers as may be necessary or desirable to perfect the title to said entire the reverse of the papers of the		ID MET	HOD C	of IMPLEME	NTING NI	TWARE CO	DRE PROTO	COL WITI	HIN THE S	SOCKETS
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held and enjoyed by HP, its successors, assigns, norminees or legal representatives, to the full end of term or terms for which said Letters Patent respectively may be granted, reissued or extended, as y and entirely as the same would have been held and enjoyed by me/us had this assignment, and sister not been made; A ND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and to like hereby covenant that I/we have full right to convey the entire interest herein assigned, and to like hereby covenant that I/we have full right to convey the entire interest herein assigned, and to like hereby covenant that I/we have full right to convey the entire interest herein assigned, and to like hereby covenant to the like to said invention(s) and like the like to said invention(s) or overement(s), said application and said Letters Patent, to HP, its successors, assigns, norminees or legal resentatives, and I/we agree to communicate to HP, or to its nominee, all known facts respecting said ention(s) or improvement(s), said application and said Letters Patent, to testify in any legal coedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-IP's, suce and foreign applications, to make all rightful oaths and declarations, and generally to do rove, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in and all countries provided the expenses which may be incurred by me/us in lending such cooperation and sold countries provided the expenses which may be incurred by me/us in lending such cooperation and said states whose duty it is to issue the said any official of any country or countries foreign to the United States whose duty it is to issue the sast and any official of any country or countries foreign to the United States whose duty it is to issue the foreign and all causes a part of the said invention (s) or improvement of the entire right, title and interest, any distinct of the said and provement of t	ontinuations-in etters Patent	n-part (C and any)-I-P's) and a	, divisionals II Letters Pa	and rene tent of the	wals of and United Sta	d substitutes tes and of c	s for said ountries f	applicatio oreign thei	n for said metowhich
t //we have not executed and will not execute any agreement in conflict herewith, and l/we further evenant and agree that I/we will, each time a request is made, and without undue delay, execute and ver all such papers as may be necessary or desirable to perfect the title to said invention(s) or rovernent(s), said application and said Letters Patent, to HP, Its successors, assigns, nominees or legal resentatives, and I/we agree to communicate to HP, or to its nominee, all known facts respecting said ention(s) or improvement(s), said application and said Letters Patent, to testify in any legal ceedings, to sign all lawful papers, to execute all disclaimers and divisionals, co-IPs, sue and foreign applications, to make all rightful oaths and declarations, and generally to do rything possible to aid HP, its successors, assigns, nominees and legal representatives to obtain and order, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in and all countries provided the expenses which may be incurred by me/us in lending such cooperation assistance are paid by HP. AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United I assistance are paid by HP. AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United I all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of said invention(s) or improvement(s), including any and all Letters Patent of the aid States which may be issued and granted on or as a result of the application aforesaid, in bordance with the terms of this assignment. I/we further authorize and direct HP attorneys to insert the serial number and filing date of said olication now identified by the attorney docket number and title set forth above as soon as the same all have been made known to them by the United States Patent and Trademark Office. I/we further shall Mitra Date Application Signed: Date Application Signed: Who is soonally known or	be held and engine term or terminated termin	joyed by ms for the by as the	/ HP, ii which ie san	ts successor said Letters	s, assigns Patent re	, nominees spectively r	or legal repr nav be gran	esentative ited, reiss	es, to the ued or ext	full end of tended, as
tes and any official of any country of country of country or and any personally appeared the entire right, title and interest, any ents or application as a foresaid, to issue to HP, as assignment of the entire right, title and interest, any ents or application as a result of the entire right, title and interest, any ents or application say and all Letters Patent of the application aforesaid, in cordance with the terms of this assignment. If we further authorize and direct HP attorneys to insert the serial number and filling date of said olication now identified by the attorney docket number and title set forth above as soon as the same all 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): Date Assignment Signed: Date Application Signed: Shital Miara who is acknowledged the foregoing forment of assignment to be might free act and deed. We commission expires: KRISTINE MARKE BRIGHT WARNA 27 Amount of the country of	that I/we have covenant and a deliver all such improvement(s) representatives invention(s) or reissue and for everything postentionce, for its any and all counties and assistance	not exe agree that agrees the papers pand I/V improve sign a preign a sible to or their are paid	ecuted at IAW 6 s as no polication of the agreement of the agreement of the aid HP rown rovided by HF	and will not will, each nay be nece on and said at the committee of the committee of the committee of the committee of the expensions, to me, its successive of the expensions.	t execute time a requisary or Letters Paulicate to opplication execute all riggors, assigner patent es which in the control of	any agreemuest is madesirable to tent, to HP, or to its and said all disclaims that one protection may be incurred.	ent in conflice, and with perfect the its success of a comment of the its success of a comment of the its and declars and legal for said inversed by me/or said	ict herew out undue a title to ors, assignable known ent, to	ith, and I/A delay, ex said inverse, nomine facts respectify in continuation and general atives to corrimprove ing such continuation and such continuation	we further recute and nation(s) or legal ecting said any legal is, C-I-P's, ally to do obtain and ment(s) in cooperation
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entor's Typed Name: Shital Mitra Date Application Signed: Date Appli		4	h					10/	16- 10) ()
Before me this 1/2 day of October 2000 personally appeared Shital Mitra who is sonally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing runment of assignment to be nighten free act and deed. KRISTINE MARIE BRIGHT Who commission expires: KRISTINE MARIE Magnin 27 2000	nventor's Signatus	re (Seal)						1.4	5/10	100
Before me this // day of OCTOBEN 2000 personally appeared	nventor's Typed N	lame: Shi	tal Mitra			Date A	oplication Signe	:d:	2/13 ,	100
Before me this // day of OCTOBEN 2000 personally appeared	State of Calif	ornic	2)						
Before me this // day of OCTOBEN 2000 personally appeared	County of Pla	acer) ss .:						
consulty known or proved to me on the basis of satisfactory evidence to be the person who abstract of satisfactory eviden		1/		ctober =	person	nally appeared	Shital Mite	L		
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KRISTINE MARIE BRIGHT
Commission # 1131645
Notary Public — California
10:00 (Asignaper County
My Comm. Expires Mar 27, 2001

se Page Two For Additional Inventor(s) Signature(s))

Page 1 of 2

(When recorded please return to:

HEW LETT-PACKARD COMPANY

Intellectual Property Administration P. O. Box 272400 Fort Collins, Colorado 80527-2400 GREER, BURNS & CRAIN, LTD

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PATENT APPLICATION
ATTORNEY DOCKET NO. 10004337-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

latte Class	Date Assignment Signed: 10/16/5000
ventor's Signature (Seal)	Date Assignment Signed: 7792000
wentor's Typed Name: Anthony L. Chen	Date Application Signed: 10/13/2000
punty of Placer) ss.:	
Before me this 16 day of Ortober	personally appeared Anthony L. Chen who is
rsonally known or proved to me on the basis	of satisfactory evidence to be the person who acknowledged the foregoing
strument of assignment to be his her free act and	Luding Public Jarie Br.
KRISTINE MARIE BRIGHT Commission # 1131645 Notary Public — California Placer County New Jern, Expires Mar 27, 2001	/ My commission expires: KRISTINE MARK Wlarch 27, 20
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Before me this day of regularly known or proved to me on the basis	of satisfactory evidence to be the person who acknowledged the foregoing
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Before me this day of sonally known or proved to me on the basis trument of assignment to be his/her free act and a	of satisfactory evidence to be the person with administrative edged the foregoing deed. Notary Public My commission expires:
Before me this day of sonally known or proved to me on the basis trument of assignment to be his/her free act and a	Notary Public My commission expires: Date Assignment Signed:
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Before me this day ofsonally known or proved to me on the basis trument of assignment to be his/her free act and elentor's Signature (Seal)	Notary Public My commission expires: Date Assignment Signed:
Before me this day ofsonally known or proved to me on the basis trument of assignment to be his/her free act and a senter's Signature (Seal) entor's Typed Name:	Date Application Signed:
Before me this day ofsanathy known or proved to me on the basis frument of assignment to be his/her free act and a senter's Signature (Seal) Tentor's Typed Name:	Date Application Signed:

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RECORDED: 06/18/2001

PATENT REEL: 011902 FRAME: 0186