	FORM PTO-1595		0005	U.S. DEPARTMENT OF COMMERCE			
	1-31-92	11-04-		Patent and Trademark Office			
				Attorney Docket No. 200502551-1			
	1. Name of conveying party(ies):	103113	3678	ddress of receiving party(ies):			
	David N. SKINNER		HEWLETT-	PACKARD DEVELOPMENT COMPANY, L.P.			
	Mike McCULLOUGH		20555 SH	249 O			
Ó	Yancy CHEN		Houston, T	X 77070			
V				0,0			
				11/2			
٦				5-			
Ì	Additional name(s) of conveying party(ies) attached	Yes 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): 10/27/2005, 10/28/20	tion Date(s): 10/27/2005, 10/28/2005, 10/26/2005					
	4. Application number(s) or patent number	er(s):					
If this document is being filed together with a new application, execution date of the application is:							
	A. Patent Application No.(s)			B. Patent No.(s)			
	Application No.:	Date Filed:					
	nfirmation No.: Additional numbers attached? NO						
	5. Name and address of party to whom correspondence concerning document should be mailed: Records Manager Intellectual Property Administration HEWLETT-PACKARD COMPANY		6. Total number of applications and patents involved: 1				
			7. Total Fee (37 CFR 3.41): \$40.00				
			Enclosed				
	P.O. Box 272400 Fort Collins, Colorado 80527-2400		X Auth	orization to be charged to deposit account.			
	\	\					
ł	1/03/2005 BBYRNE 00000133 062025 11261257)	8. Deposit Acc	count Number:08-2025			
01 FC:8021 40.00 MA DO NOT USE THIS SPACE							
9. Statement and signature.							
	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.						
A/A							
	Matthew J. Blecher	Oct 28, 2005					
Name of Person Signing Signature Date							
Total number of pages including cover sheet, attachments, and document: 5							
	OMB No. 0651-0011 (exp. 4/94)	Do Not detac	h this portion				
	Mail document to be recorded with required c						
Mail Stop Assignment Recordation Services							
	Di		tent and Trademark 3ox 1450	Unice			
- 1	Alexandria, VA 22313-1450						

PATENT APPLICATION

HEWLETT-PACKARD COMPANY
Intellectual Property Administrator
ATTORNEY DOCKET NO. 2

Intellectual Property Administrator P. O. Box 272460

Fort Collins, Colorado 90127-2400

ATTORNEY DOCKET NO. 200502581-1

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to MEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinsfter 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:

Filing date:	Application No.:
continuations-in-part (C-I-P Letters Patent, and any an	nd improvement(s) set forth therein, and any and all continuations P's), divisionals, and renewals of and substitutes for said application for said all letters Patent of the United States and of countries foreign thereto which r therefor; and any reissues, or reexaminations, or extensions of said Letters
country, to be held and an he full and of the term or	thorize HPOC to file applications in my/our name for Letters Patent in any njoyed by HPDC, its successors, assigns, nominees or legal representatives, to riterms for which said Letters Patent respectively may be granted, reissued or ntirely as the same would have been held and enjoyed by me/us had this not been made;
that I/we have not execut covenant and agree that is deliver all such papers as improvement(s), said applications representatives, and respecting said invention(sing proceedings, to sign C-I-P's, reissue and foreign everything possible to aid and enforce, for its or their	ment that I/we have full right to convey the entire interest herein assigned, and teld and will not execute any agreement in conflict herewith, and I/we further/we will, each time a request is made, and without undue delay, execute and seems to the second invention(s) or ication and said Letters Patent, to HPDC, its successors, assigns, nominees of I/we agree to communicate to HPDC, or to its nominee, all known facts is or improvement(s), said application and said Letters Patent, to testify in any all lawful papers, to execute all disclaimers and divisionals, continuations, and generally to do HPDC, its successors, assigns, nominees and legal representatives to obtain ir own benefit, proper patent protection for said invention(s) or improvement(s) provided the expanses which may be incurred by me/us in lending such
States and any official of a patents on applications as my and all Letters Patent he United States which r	horize and request the Commissioner of Patents and Trademarks of the United any country or countries foreign to the United States whose duty it is to issue aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, for said invention(s) or improvement(s), including any and all Letters Patent of may be issued and granted on or as a result of the application aforesaid, in s of this assignment.
States and any official of a patents on applications as any and all Letters Patent the United States which raccordance with the terms liwe further authorize a polication now identisame shall have been made	any country or countries foreign to the United States whose duty it is to issue aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, for said invention(s) or improvement(s), including any and all Letters Patent of may be issued and granted on or as a result of the application aforesaid, in a of this assignment. and direct the attorneys of record to insert the serial number and filing date of titled by the attorney docket number and title set forth above as soon as the le known to them by the United States Patent and Trademark Office.
states and any official of a patents on applications as my and all Latters Patent he United States which r accordance with the terms I/we further authorize a aid application now ident ame shall have been made	any country or countries foreign to the United States whose duty it is to issue aforesaid, to issue to HPDC, as assigned of the entire right, title and interest, for said invention(s) or improvement(s), including any and all Letters Patent of may be issued and granted on or as a result of the application aforesaid, in a of this assignment. and direct the attorneys of record to insert the serial number and filing date of titled by the attorney docket number and title set forth above as soon as the le known to them by the United States Patent and Trademark Office.
states and any official of a patents on applications as my and all Latters Patent he United States which r accordance with the terms I/we further authorize a aid application now ident ame shall have been made	any country or countries foreign to the United States whose duty it is to issue aforesaid, to issue to HPDC, as assigned of the entire right, title and interest, for said invention(s) or improvement(s), including any and all Letters Patent of may be issued and granted on or as a result of the application aforesaid, in a of this assignment. and direct the attorneys of record to insert the serial number and filing date of titled by the attorney docket number and title set forth above as soon as the le known to them by the United States Patent and Trademark Office.
tates and any official of a atents on applications as ny and all Letters Patent he United States which re- coordance with the terms live further authorize in aid application now ident ame shall have been made	any country or countries foreign to the United States whose duty it is to issue aforesaid, to issue to HPDC, as assigned of the entire right, title and interest, for said invention(s) or improvement(s), including any and all Letters Patent of may be issued and granted on or as a result of the application aforesaid, in a of this assignment. and direct the attorneys of record to insert the serial number and filing date of titled by the attorney docket number and title set forth above as soon as the le known to them by the United States Patent and Trademark Office.
tates and any official of a atents on applications as my and all Letters Patent ne United States which recordence with the terms live further authorize and application now identisme shall have been made in WITNESS WHEREO	any country or countries foreign to the United States whose duty it is to issue a diversaid, to issue to HPDC, as assignee of the entire right, title and interest, for said invention(s) or improvement(s), including any end all Letters Patent of may be issued and granted on or as a result of the application aforesaid, in a of this assignment. and direct the attorneys of record to insert the serial number and filling date of titled by the attorney docket number and title set forth above as soon as the known to them by the United States Patent and Trademark Office. Date Assignment Signed: Date Assignment Signed:
tates and any official of a atents on applications as my and all Letters Patent he United States which recordance with the terms live further authorize aid application now identisms shall have been made in witness WHEREO wenter's Typod Name: David Niventor's Typod Name: David	any country or countries foreign to the United States whose duty it is to issue aforesaid, to issue to HPDC, as assigned of the entire right, title and interest, for said invention(s) or improvement(s), including any and all Letters Patent of may be issued and granted on or as a result of the application aforesaid, in a of this assignment. and direct the attorneys of record to insert the serial number and filing date of titled by the attorney docket number and title set forth above as soon as the le known to them by the United States Patent and Trademark Office.
itates and any official of a states on applications as my and all Latters Patent the United States which recordence with the terms I/we further authorize and application now identiate and application now identiate shall have been made in WITNESS WHEREO Warner's Typod Name: Dayld Name: Dayld Name: Dayld Name: Dayld Name:	any country or countries foreign to the United States whose duty it is to issue aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, for said invention(s) or improvement(s), including any and all Letters Patent of may be issued and granted on or as a result of the application aforesaid, in sof this assignment. and direct the attorneys of record to insert the serial number and filling date of titled by the attorney docket number and title set forth above as soon as the known to them by the United States Patent and Trademark Office. OF, I/we hereunto set my/our hand(s) and seal(s): Date Assignment Signed: Date Application Signed: Date Application Signed:
itates and any official of a stants on applications as my and all Latters Patent the United States which recordence with the terms I/we further authorize aid application now ident ame shall have been made IN WITNESS WHEREO Wenter's Typod Name: David Nitate of aunty of	any country or countries foreign to the United States whose duty it is to issue aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, for said invention(s) or improvement(s), including any and all Letters Patent of may be issued and granted on or as a result of the application aforesaid, in a of this assignment. and direct the attorneys of record to insert the serial number and filling date of titled by the attorney docket number and title set forth above as soon as the known to them by the United States Patent and Trademark Office. OF, I/we hereunto set my/our hand(s) and seal(s): Date Assignment Signed: Date Application Signed: Commonweight Commonwe
itates and any official of a stents on applications as my and all Latters Patent he United States which recordance with the terms I/we further authorize and application now ident ame shall have been made in WITNESS WHEREO Wanter's Typod Name: David Nitete of sunty of store me this day of	any country or countries foreign to the United States whose duty it is to issue aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, for said invention(s) or improvement(s), including any and all Letters Patent of may be issued and granted on or as a result of the application aforesaid, in sof this assignment. and direct the attorneys of record to insert the serial number and filling date of titled by the attorney docket number and title set forth above as soon as the known to them by the United States Patent and Trademark Office. OF, I/we hereunto set my/our hand(s) and seal(s): Date Assignment Signed: Date Application Signed: Commonweight Commonwei
States and any official of a patents on applications as any and all Latters Patent he United States which recordence with the terms I/we further authorize a paid application now identification now ident	any country or countries foreign to the United States whose duty it is to issue aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, for said invention(s) or improvement(s), including any and all Letters Patent of may be issued and granted on or as a result of the application aforesaid, in a of this assignment. and direct the attorneys of record to insert the serial number and filling date of titled by the attorney docket number and title set forth above as soon as the known to them by the United States Patent and Trademark Office. OF, I/we hereunto set my/our hand(s) and seal(s): Date Assignment Signed: Date Application Signed:
States and any official of a patents on applications as any and all Latters Patent the United States which recordence with the terms live further authorize a paid application now identificate shall have been made in WITNESS WHEREO wenter's Typod Name: David Nitate of Jouety o	any country or countries foreign to the United States whose duty it is to issue aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, for said invention(s) or improvement(s), including any and all Letters Patent of may be issued and granted on or as a result of the application aforesaid, in a of this assignment. and direct the attorneys of record to insert the serial number and filling date of titled by the attorney docket number and title set forth above as soon as the known to them by the United States Patent and Trademark Office. OF, I/we hereunto set my/our hand(s) and seal(s): Date Assignment Signed: Date Application Signed:

Hery 12104 (Assign)

(Use Page Two For Additional inventorial Signaturabili

Page 1 of 2

PATENT REEL: 017167 FRAME: 0104 When recorded press return to:
HEWLETT-PACKARD COMPANY
Intellectual Property Administration
(P. O. Bax 272400

Fort Collins, Colorado 80527-2400

PATENT APPLICATION
ATTORNEY DOCKET NO. 200502551-1

8

ASSIGNMENT OF PATENT APPLICATION (cont.)

Mbe m Cus	Bough Date Assignment Signed:	10-28-05
ventor's Signature (Seal)		
rotor's Typed Name: Mike McCU	LOUGH Date Application	Signed: 10 - 28 -03
in nt	1	
inty of	, 55.0 1	
Balora ma this 28 day of 2	ctabes . Decisionally appeared Mike	McCHILOUGH when i
accounty know in or provind to mea	on the basis of satisfactory evidence to be the	parson who acknowledged the foregoing
trument of 4ssignment to be hism	January	00. 1
	MEHRVASH MIMI RIAHI Commission # 1461706 Notary Public - California Santa Clara County My Comm. Expires Jan 10, 2008	thinsing withing the form - 10 -
1 Marie Land	Upto Assignment Staned:	Now the transfer of the second
onio! s B graturo (Soal)	Data Assignment agriculture	entropies and the second control of the seco
emor's Typed Name: Yency CHES	l Onte Application	Signed:
te of	1	
	Last	
with of	*	
sonally known or proved to me bemont of assignment to be trishle	personally appeared Yang on the basis of satisfactory evidence to be the price and deed.	- paragraphy of the first that the property of the paragraphy of the paragraphy of the paragraphy of the first that the paragraphy of the
		My gammission expres;
enter's Signature (Seal)	Date Assignment Signed:	www.dataprofestidestataspopy.gover.g
entor's Typed Namo:	Oste Application	Senned:
	3	The state of the s
to of	9) 44.1	
inty of	1	
Sefore me this gay of consily known or proved to me rument of essignment to be high-	personally appeared on the basis of satisfactory evidence to be the free ect and deed.	who is person who acknowledged the foregoing
		tority Polix
•		My spemerackim expires:

three 17,02 (Amages)

When recorded please return to:

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

PATENT APPLICATION ATTORNEY DOCKEY NO. 200502551-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

		Date Assignment Signed:
Inventor's Signature (Seal)		***************************************
kiventor's Typed Name: Mili	** MeCULLOUGH	Date Application Signed:
State of	j	
County of) ##.: }	
	· · · · · · · · ·	make waller and a second make wall as the same
	d to me on the basis of said to me on the basis of said to be his/her free act and deed.	personally appeared Mike McCULLOUGH who tistactory evidence to be the person who acknowledged the foregoin
		Fig. 6 by y /Fig.
		No consideration experses:
(dag	her	Date Assignment Signed: 10/2.6/2.005
Inventor's Signature (Gesil		Date Assignment Signed:
Inventor's Typed Name: Yar	ncy CHEN	Date Application Bigned: 10/26/2005
State of	}	
County of	1 mm-1	
· ·	be his/her free act and deed.	isfactory evidence to be the person who acknowledged the foregoin
		My Excircidation majorae:
Inventor's Signature (Seal)		Date Assignment Signed:
		Date Application Signed:
State of	i	
afute at	; ; ss.:	
County of	1	
personally known or prove	y of	personally appeared who is greatery evidence to be the person who acknowledged the foregoing
		Namey Public
		My contributor espiras:

Hery 12/04 (Adams)

RECORDED: 10/28/2005

PATENT REEL: 017167 FRAME: 0106