07 -	29-2004	
FORM PTO-1595		U.S. DEPARTMENT OF COMMERC
		र SHEET Patent and Trademark Office
7.19.09 102	2802379	Attorney Docket No. 200400332-1
1. Name of conveying party(ies):		2. Name and address of receiving party(ies):
Belgie B. McClelland II		HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.
Keith J. Kuehn		20555 SH 249
Qiang Wang		Houston, TX 77070
Darrel W. Poulter		0.05 m
Vidal Gonzales III		7/20
Scott R. Gant		2518
Additional name(s) of conveying party(ies) attached	d _X_Yes 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): 07/01/04; 07/01/04;	07/06/04; 07/0	6/04; 07/01/04; 07/08/04; 07/15/04
4. Application number(s) or patent number	191.	209597
If this document is being filed together w	vith a new appli	cation, execution date of the application is: 07/15/04
A. Patent Application No.(s)		B. Patent No.(s)
Application No.:	Date Filed:	
Confirmation No.:	Additional numbe	ers attached? NO
Name and address of party to whom concerning document should be mailed		6. Total number of applications and patents involved: 1
Records Manager		7. Total Fee (37 CFR 3.41): \$40.00
Intellectual Property Administration HEWLETT-PACKARD COMPANY		Enclosed
P.O. Box 272400		X Authorization to be charged to deposit account
Fort Collins, Colorado 80527-2400		
		8. Deposit Account Number: 08-2025
	DO NOT USE	THIS SPACE
9. Statement and signature.		
To the best of my knowledge and belief, true copy of the original document.	, the foregoing i	nformation is true and correct and any attached copy is a
Tait R. Swanson	7e4-11	Jul 19, 2004
Name of Person Signing	Signature	Date
Total numb	er of pages includ	ling cover sheet, attachments, and document: 15
OMB No. 0651-0011 (exp. 4/94)		
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Mail document to be recorded with required of 1/28/2004 STON11		ation to: ent Recordation Services
	irector of the US Pa	tent and Trademark Office
		Box 1450 VA 22313-1450

FORM	PT	O-1	5	9	5
1-31-92	2				

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

PATENTS ONLY

Attorney Docket No. 200400332-1

Name of conveying party(ies):	Name and address of receiving party(ies):
James. B. Duke	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. 20555 SH 249 Houston, TX 77070

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

ATTORNEY DOCKET NO. 200400332-1

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

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iling date:	Herewith		Application No	D.:
ontinuation etters Pare	ns-in-part (C-I-P's), ant and any and all	divisionals, and r Letters Patent of	enewals of and su the United States a	and any and all continuations, bstitutes for said application for said application for said and of countries foreign thereto which inations, or extensions of said Letters
country, to he full end extended, a	be held and enjoye	ed by HPDC, its some ms for which said ly as the same v	iccessors, assigns, Letters Patent resi	our name for Letters Patent in any nominees or legal representatives, to bectively may be granted, reissued of held and enjoyed by me/us had this
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AND I/N States and patents on	and assistance are we hereby authoriza any official of any applications as afo	e paid by HPDC; the and request the country or countries aid, to issue to	Commissioner of I les foreign to the U HPDC, as assigne	Incurred by me/us in lending such Patents and Trademarks of the United Inited States whose duty it is to Issue e of the entire right, title and interest
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AND I/N States and catents on any and all the United accordance I/we fur said applica same shall I	and assistance are we hereby authorize any official of any applications as afor Letters Patent for a States which may with the terms of the authorize and ation now identified have been made known	e paid by HPDC; e and request the country or country or country resaid, to issue to said invention(s) of the issued and gothis assignment. direct the attorney to by the attorney to them by the laws bereunto set to the set of the	Commissioner of files foreign to the United as assigned improvement(s), in anted on or as a docket number and he United States Pany/our hand(s) and	Patents and Trademarks of the United Inited States whose duty it is to Issue of the entire right, title and interest including any and all Letters Patent or result of the application aforesaid, in ert the serial number and filing date or it it is set forth above as soon as the stent and Trademark Office.
AND I/v States and catents on any and all the United accordance i/we fur said applica same shall i IN WIT	we hereby authorize any official of any applications as afoil Letters Patent for States which may with the terms of the authorize and ation now identified have been made known been made known the state of the stat	e paid by HPDC; e and request the country or country or country resaid, to issue to said invention(s) or be issued and go this assignment. direct the attorned by the attorney rown to them by the paid of the said of them by the attorney rown to them by the paid of the said of the	Commissioner of I ies foreign to the U HPDC, as assigned in improvement(s), iranted on or as a ys of record to insert docket number and he United States Pany/our hand(s) and the Assignment Signed:	Patents and Trademarks of the United Inited States whose duty it is to Issue of the entire right, title and interest including any and all Letters Patent or result of the application aforesaid, in ert the serial number and filing date or it it is set forth above as soon as the stent and Trademark Office. seal(s):
AND I/N States and batents on any and all the United accordance I/we fur said applica same shall I IN VVIT	and assistance are we hereby authorize any official of any applications as afor Letters Patent for s States which may with the terms of I official of any official	e paid by HPDC; e and request the country or country or country resaid, to issue to said invention(s) or be issued and go this assignment. direct the attorned by the attorney rown to them by the paid of the said of them by the attorney rown to them by the paid of the said of the	Commissioner of I ies foreign to the U HPDC, as assigned in improvement(s), iranted on or as a ys of record to insert docket number and he United States Pany/our hand(s) and the Assignment Signed:	Patents and Trademarks of the United Inited States whose duty it is to Issue of the entire right, title and interest including any and all Letters Patent or result of the application aforesaid, in ert the serial number and filing date or it it is set forth above as soon as the stent and Trademark Office.
AND I/N States and coatents on any and all the United accordance I/we fur said applica same shall I IN WIT IN WIT INVENTOR'S Typ	we hereby authorize any official of any applications as afor Letters Patent for some states which may with the terms of the authorize and ation now identified have been made known the seal of the se	e paid by HPDC; e and request the country or country resaid, to issue to said invention(s) of the issued and gothis assignment. direct the attorned by the attorney rown to them by the attorney rown to them by the country of the set of the se	Commissioner of I ies foreign to the U HPDC, as assigned in improvement(s), iranted on or as a ys of record to insert docket number and he United States Pany/our hand(s) and the Assignment Signed:	Patents and Trademarks of the United Inited States whose duty it is to Issue of the entire right, title and interest including any and all Letters Patent or result of the application aforesaid, in ert the serial number and filing date or it it is set forth above as soon as the stent and Trademark Office. seal(s):
AND I/N States and coatents on any and all the United accordance I/we fur said applica same shall I IN WIT IN WIT INVENTOR'S Typ	and assistance are we hereby authorize any official of any applications as afor Letters Patent for s States which may with the terms of I official of any official	e paid by HPDC; e and request the country or country or country resaid, to issue to said invention(s) or be issued and go this assignment. direct the attorned by the attorney rown to them by the paid of the said of them by the attorney rown to them by the paid of the said of the	Commissioner of I ies foreign to the U HPDC, as assigned in improvement(s), iranted on or as a ys of record to insert docket number and he United States Pany/our hand(s) and the Assignment Signed:	Patents and Trademarks of the United Inited States whose duty it is to Issue of the entire right, title and interest including any and all Letters Patent or result of the application aforesaid, in ert the serial number and filing date or it it is set forth above as soon as the stent and Trademark Office. seal(s):
AND I/N States and catents on any and all the United accordance I/we fur said applica same shall I IN WITH INVERTOR'S Sign nventor's Typ State of Tex	we hereby authorize any official of any applications as afor Letters Patent for states which may with the terms of the authorize and ation now identified have been made known the states which was been made known been being b	e paid by HPDC; e and request the country or country resaid, to issue to said invention(s) of the issued and gothis assignment. direct the attorned by the attorney rown to them by the attorney rown to them by the country of the said in the said	Commissioner of fies foreign to the U HPDC, as assigned improvement(s), in the control of the co	Patents and Trademarks of the United Inited States whose duty it is to Issue of the entire right, title and interest including any and all Letters Patent or result of the application aforesaid, in entire serial number and filing date or different and Trademark Office. Seal(s): 7//04 John Signed: 7//04
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AND I/N States and catents on any and all the United accordance i/we fur said applica same shall i IN WITH INVERTOR'S Sign nventor's Typ State of Tex Before me personally known	we hereby authorize any official of any applications as afor Letters Patent for some states which may with the terms of the authorize and ation now identified have been made known been belong B. McControl of the known belong to make the known belong to make the known belong to make the known belong to the	e paid by HPDC; e and request the country or country resaid, to issue to said invention(s) of the issued and go this assignment. direct the attorned by the attorney rown to them by the attorney rown to them by the country of the said in the said	Commissioner of files foreign to the U HPDC, as assigned improvement(s), ranted on or as a docket number and the United States Pany/our hand(s) and the Assignment Signed: Date Applications of the	Patents and Trademarks of the United Inited States whose duty it is to Issue of the entire right, title and interest including any and all Letters Patent or result of the application aforesaid, in ert the serial number and filling date or dititle set forth above as soon as the stent and Trademark Office. seal(s): 7//04 Item Signed: 7//04
AND I/N States and catents on any and all the United accordance i/we fur said applica same shall i IN WITH INVERTOR'S Sign nventor's Typ State of Tex Before me personally known	we hereby authorize any official of any applications as afor Letters Patent for some states which may with the terms of the authorize and ation now identified have been made known been belong B. McControl of the known belong to make the known belong to make the known belong to make the known belong to the	e paid by HPDC; e and request the country or country or countr resaid, to issue to said invention(s) or be issued and gothis assignment. direct the attorney rown to them by the attorney rown to them by the country of the said in the country of the said in the country of the	Commissioner of files foreign to the U HPDC, as assigned improvement(s), ranted on or as a docket number and the United States Pany/our hand(s) and the Assignment Signed: Date Applications of the	Patents and Trademarks of the United Inited States whose duty it is to Issue of the entire right, title and interest including any and all Letters Patent or result of the application aforesaid, in ert the serial number and filling date or dititle set forth above as soon as the stent and Trademark Office. seal(s): 7//04 Item Signed: 7//04

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

ATTORNEY DOCKET NO. 200400332-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I/we hereunto s	et my/our hand(s) and seal(s):
	Date Assignment Signed:7/1/2004
Miventor's Signature (Seal)	
inventor's Typed Name Keith J. Kuehn	Date Application Signed: 7/1/2004
State of Texas)	
county of HORRIS) 55	
7 -	
	, personally appeared <u>Keith J. Kuehn</u> who is sof satisfactory evidence to be the person who acknowledged the foregoing deed.
•	Notary Public My commission expires:
. /	
<i>_</i>	
D'a	7/6/00011
Inventor's Signature (Seal)	Date Assignment Signed: 7/6/2004 Date Application Signed: 7/6/2004
	7/6/2004
Inventor's Typed Name: Qlang Wang	Date Application Signed: 1/8/2007
State of Texas)	
County of HARRY) BE	
Before me this day of	personally appeared <u>Qiang Wang</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	d deed.
	Notery Public
	My commission expires:
Journal of a Signature (Smill)	Date Assignment Signed:
Inventor's Signature (Seal)	
Inventor's Typed Name: Darrel W. Poulter	Date Application Signed:
State of Idaho)	
County of) ss.	
,	
Before me this day of	personally appeared <u>Derrei W. Poulter</u> who is of satisfactory evidence to be the person who acknowledged the foregoing
instrument of assignment to be his/her free act and	
·	Notary Public
	My commission expires:
(I be Phon There Pe	Dec 2 7 7
(Use ⊬age I free For	r Additional Inventor(s) Signature(s)) Page 2 of 3
Nev 05/04 (Assign)	
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HEWLETT-PACKARD COMPANY Intellectual Property Administration P. O. Box 272400 Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 200400332-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITN	ESS WHEREOF, I we I	hereunto s	et my/our hand(s) and seal(s):		
	11/6/	***	:		-11.	
Uu	y comet	<u> </u>	Date Assi	gnment Signed:	7/1/04	
-	Signature (Seef)				Signed 7/1/04	
inventor's	Typed Name: Vidal Gonzali	D45 111		Date Application	Signed // // /	
State of	Texas)				
County of	Harris) ss.:)	-			
	•		- cran-ally	annound Video	Conselve III	who is
personally	me this day of known or proved to me of assignment to be his/he	on the basis	of sextisfactory ev	appeared <u>Vidal</u> idence to be the	person who acknow	
	•				Notary Public My commission expires:	
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			Date Assi	gnment Signed:		
inventor's	Signature (Seal)					
inventor's	Typed Name: Scott R. Gar	ıt		Date Application	Sig ned	
State of	California)	,			•
County of) ss.:)				
•	me thisday of _			appeared <u>Scott</u>		who is
personally	known or proved to me of assignment to be his/he	on the besi	of satisfactory ev			ledged the foregoing
					Notary Public	
					My commission expires:	
	• •					
Inventor's	Signature (Seal)		Date Assi	ignment Signed:		
inventor's	Typed Name: James B. Du	IMB		Date Application	Signed	
State of	Texas)				
County of) SS.:)				•
Before	me this day of _		personally	appeared <u>James</u>	s R. Duko	who is
personally	known or proved to me of assignment to be his/hi		of satisfactory ev			
	•			ř	Natan Dilli	
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	27.1	- N D-	Tan Audithores Inc		.	Page 3 of 3
Rev 05/04 (A	·	e Next Page	For Additional Inven	icor(s) signature(s))	
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PATENT APPLICATION

HEWLETT-PACKARD COMPANY Intellectual Property Administrator P. O. Box 272400

Fort Collins, Colorado 80527-2400

ATTORNEY DOCKET NO. 200400332-1

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:

Computer Having A Drive carrier	
Filing date: Herewith	Application No.:
continuations-in-part (C-I-P's), divisionals, and Letters Patent, and any and all Letters Patent	set forth therein, and any and all continuations, direnewals of and substitutes for said application for said of the United States and of countries foreign thereto which reissues, or reexaminations, or extensions of said Letters
country, to be held and enjoyed by HPDC, its the full end of the term or terms for which sa	e applications in my/our name for Letters Patent in any successors, assigns, nominees or legal representatives, to aid Letters Patent respectively may be granted, reissued or would have been held and enjoyed by me/us had this
that I/we have not executed and will not execovenant and agree that I/we will, each time deliver all such papers as may be necessary improvement(s), said application and said Lett legal representatives, and I/we agree to correspecting said invention(s) or improvement(s) legal proceedings, to sign all lawful papers, C-I-P's, reissue and foreign applications, to meverything possible to aid HPDC, its successed and enforce, for its or their own benefit, proper	full right to convey the entire interest herein assigned, and recute any agreement in conflict herewith, and I/we further a request is made, and without undue delay, execute and y or desirable to perfect the title to said invention(s) or ters Patent, to HPDC, its successors, assigns, nominees or municate to HPDC, or to its nominee, all known facts and application and said Letters Patent, to testify in any to execute all disclaimers and divisionals, continuations, ake all rightful oaths and declarations, and generally to doors, assigns, nominees and legal representatives to obtain are patent protection for said invention(s) or improvement(s) nses which may be incurred by me/us in lending such
States and any official of any country or coun patents on applications as aforesaid, to issue any and all Letters Patent for said invention(s)	the Commissioner of Patents and Trademarks of the United atries foreign to the United States whose duty it is to issue to HPDC, as assignee of the entire right, title and interest, or improvement(s), including any and all Letters Patent of granted on or as a result of the application aforesaid, in
said application now identified by the attorne	neys of record to insert the serial number and filing date of by docket number and title set forth above as soon as the the United States Patent and Trademark Office.
IN WITNESS WHEREOF, I/we hereunto set	t my/our hand(s) and seal(s):
Inventor's Signature (Seal)	Date Assignment Signed:
Inventor's Typed Name: Belgie B. McClelland II	Date Application Signed:
State of Texas)	
County of) ss.:	
Before me this day of	personally appeared <u>Belgie B. McClelland II</u> who is
personally known or proved to me on the basis of sat instrument of assignment to be his/her free act and deed.	isfactory evidence to be the person who acknowledged the foregoing
	Notary Public

REEL: 015605 FRAME: 0121

My commission expires:

PATENT APPLICATION ATTORNEY DOCKET NO. 200400332-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

		Date	e Assignment Signed:
Inventor's	s Signature (Seal)		
Inventor's	Typed Name: Keith J. Kuehn		Date Application Signed:
State of	Texas)	
otate of	10,43) ss.:	
County of)	
personally		he basis of satisfa	sonally appeared <u>Keith J. Kuehn</u> who interest who is actory evidence to be the person who acknowledged the foregoin
			Notary Public
			My commission expires:
Inventor'e	Signature (Seal)	Date	Assignment Signed:
Inventor's	Typed Name: Qiang Wang	t1-1	Date Application Signed:
State of	Texas)	
County of) ss.:)	
personally	e me this day of known or proved to me on t t of assignment to be his/her free	he basis of satisfa	
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nventor's nventor's State of County of Before personally	known or proved to me on to tof assignment to be his/her free signature (Seal) Typed Name: Darrel W. Poulter Idaho me this day of	he basis of satisfa e act and deed. Date)) ss.:) , persone basis of satisfact	Notary Public Notary Public My commission expires. Assignment Signed: Date Application Signed: Date Application Signed: Onally appeared Darrel W. Poulter who is
nventor's nventor's county of Before personally	known or proved to me on to to f assignment to be his/her free free free free free free free f	he basis of satisfa e act and deed. Date)) ss.:) , persone basis of satisfact	Notary Public My commission expires: Assignment Signed: Date Application Signed:

Page 2 of 3

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

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

PATEN	T APPLICATION
ATTORNEY DOCKET NO	200400332-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

nventor's Signature (Scal)		Date Assignment Signed;	
- ,	•	•	
nventor's Typed Name: Vidal	Gonzales III	Date Application Sig	ned
late of Texas)		
County of) ss.:)		
Balara ma this day	v of	perceptally enabled with the	nzales III who is
ersonally known or proved	to me on the basis of sa	atisfactory evidence to be the pe	erson who acknowledged the foregoing
strument of assignment to be	his/her free act and doed	i.	
			Notary Public
			My commission expires:
		Date Assignment Signed:	
ventor's Signature (Seal)		- , - , - , - , - , - , - , - , - , - ,	
ventor's Typed Name: Scott	R. Gant	Date Application Sig	ned
ete of California)		
ουπιγ οί) ss.:)		
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Before me this day	/ of	_ personally appeared _Scott R.	Gant who is
stepublik kupwu ot blovod r	o me on the pasts of se	itisfactory evidence to be the pe	Gant who is room who be schowledged the foregoing
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strument of assignment to be	o me on the basis of such his/her froo act and deed,	Dale Assignment Signed:	rson who acknowledged the foregoing Notary Public My contribution explose:
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entor's Typed Name: James	o me on the basis of such his/her froo act and deed,	Dale Assignment Signed:	rson who acknowledged the foregoing Notary Public My contribution explose:
entor's Typed Name: Jamos	B, Duke	Date Assignment Signed:	rson who acknowledged the foregoing Notary Public My contribution explies: 15/04 ned 7/15/04
entor's Signature (Seal) ventor's Typed Name: Jamos ale of Texas sunty of HAMS Before me this J6 day	B. Duke	Date Assignment Signed: Date Application Signed: Date Application Signed:	Notary Public Notary Public My contribution explires: S
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entor's Typed Name: Jamos the of Texas unity of Ham? Before me this Jo day	B. Duke State of the basis of sale his/her free act and deed, State of the basis of sale of the basis of	Date Assignment Signed: Date Application Signed: Date Application Signed:	Notary Public Notary Public My contribution explose:

PATENT APPLICATION

ATTORNEY DOCKET NO. 200400332-1

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 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:

Computer	Having A Drive carrier	•	· · · · · · · · · · · · · · · · · · ·		
Filing date	: Herewith		Application No.:		
continuation Letters Pa	invention(s) and imons-in-part (C-I-P's), detent, and any and all Leanted thereon or there	ivisionals, and renevetters Patent of the	wals of and subst United States and	itutes for said ap of countries fore	pplication for saidign thereto which
country, to the full en extended,	additionally authorized be held and enjoyed dof the term or terms as fully and entirely to and transfer not be	by HPDC, its succe s for which said Lett as the same would	ssors, assigns, no ters Patent respec	minees or legal re tively may be gra	epresentatives, to anted, reissued or
that I/we covenant deliver all improvement legal reprovements and procedure of the coverything and enforcin any and coverything and enforcin any and coverything coverything and coverything and coverything and coverything coverything and coverything c	we hereby covenant thave not executed an and agree that I/we we such papers as may ent(s), said application esentatives, and I/we said invention(s) or integration and foreign applements of their owners of all countries proving and assistance are present and executed as the second executed executed as the second executed executed executed executed as the second executed	d will not execute a ill, each time a requ be necessary or d and said Letters Pa agree to communic mprovement(s), said wful papers, to excications, to make all C, its successors, as benefit, proper pate ded the expenses v	any agreement in officest is made, and esirable to perfectent, to HPDC, its cate to HPDC, or application and safecute all disclaimed rightful oaths and safet protection for sent protection for sent protection for sent protection and applications.	conflict herewith, without undue do the title to said the title to said to its nominee, and declarations, and declarations, and legal represeis and invention(s) of the title to the title	and I/we further elay, execute and id invention(s) or gns, nominees or all known facts, to testify in any ls, continuations, ad generally to dontatives to obtain or improvement(s)
States and patents or any and a the United	/we hereby authorize I any official of any control I applications as afore I Letters Patent for sa I States which may be I with the terms of the	ountry or countries fo said, to issue to HPD id invention(s) or im e issued and grante	oreign to the Unite DC, as assignee of provement(s), incl	ed States whose the entire right, uding any and all	duty it is to issue title and interest, Letters Patent of
said applic	urther authorize and di eation now identified b have been made know	by the attorney dock	cet number and tit	le set forth abov	e as soon as the
IN WI	TNESS WHEREOF, I/w	e hereunto set my/or	ur hand(s) and sea	ıl(s):	
Inventor's Sig	ınature (Seal)	Date Ass	signment Signed:		
•	ped Name: <u>Belgie B. McCle</u> l	land II	Date Application	Signed:	
State of T	exas)		-	
County of) ss.:)			
personally kr	e this day of own or proved to me on assignment to be his/her fr	the basis of satisfactory	ly appeared <u>Belgie</u> v evidence to be the	B. McCleiland II person who acknow	who is ledged the foregoing
				Notary Public	

Rev 05/04 (Assign)

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

PATENT of 3 REEL: 015605 FRAME: 0124

My commission expires:

PATENT APPLICATION
ATTORNEY DOCKET NO. 200400332-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

	Date Assignment Signed:
Inventor's Signature (Seal)	
Inventor's Typed Name: Keith J. Kuehn	Date Application Signed:
State of Texas)	
County of :	55.:
Before me this day of personally known or proved to me on the be instrument of assignment to be his/her free act.	isis of satisfactory evidence to be the person who acknowledged the foregoing
	Notary Public
	My commission expires:
Inventor's Signature (Seal)	Date Assignment Signed:
, July 1	Data Application Biomeda
Inventor's Typed Name: Qiang Wang	Date Application Signed:
State of Texas)	er.
County of)	ss.:
instrument of assignment to be his/her free act	asis of satisfactory evidence to be the person who acknowledged the foregoing and deed.
$\bigcap D_{-}$	My commission expires:
Carlo Carlo	Date Assignment Signed: 7/6/04
Inventor's Signature (Seal)	Date Assignment Signed: 7/6/04
	Date Assignment Signed: 7/6/04 Date Application Signed: 7/6/04
inventor's Typed Name: Darrel W. Poulter	3/6/11/14
State of Idaho)	3/6/11/14
Inventor's Typed Name: Damel W. Poulter State of Idaho) County of) Before me this day of personally known or proved to me on the ba	
State of Idaho) County of) Before me this day of personally known or proved to me on the ba	
State of Idaho) County of) Before me this day of personally known or proved to me on the ba	
Inventor's Typed Name: Darrel W. Poulter State of Idaho) County of) Before me this day of personally known or proved to me on the ba	
Inventor's Typed Name: Damel W. Poulter State of Idaho) County of) Before me this day of personally known or proved to me on the bainstrument of assignment to be his/her free act to	

PATENT APPLICATION ATTORNEY DOCKET NO. 200400332-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

			Date Assignment Signed:	
Inventor's	Signature (Seal)		_	
Inventor's	Typed Name: Vidal Gonzales III		Date Application	Signed
State of	Texas)		
County of) ss.:)		
Defera	rmo thin day of			
personally	known or proved to me on to to assignment to be his/her free	he basis of sat	, personally appeared <u>Vidal (</u> isfactory evidence to be the	Gonzales III who is person who acknowledged the foregoing
				Notary Public
				My commission expires:
Inventor's	Signature (Seal)		Date Assignment Signed:	3000
Inventor's	Typed Name: Scott R. Gant			
IIIA CIIIOI 2	Typou mumo.		Date Application	Signed
State of)	Date Application	Signed
State of			Date Application	Signed
State of County of	California)) ss.:)		
State of County of Before personally	California me this day of)) ss.:) ne basis of sati	personally appeared <u>Scott</u>	R. Gant who is person who acknowledged the foregoing
State of County of Before personally	California me this day of known or proved to me on the)) ss.:) ne basis of sati	personally appeared <u>Scott</u>	R. Gant who is person who acknowledged the foregoing
State of County of Before personally	California me this day of known or proved to me on the)) ss.:) ne basis of sati	personally appeared <u>Scott</u>	R. Gantwho is
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State of County of Before personally instrument	me this day of known or proved to me on the of assignment to be his/her free)) ss.:) ne basis of sati	personally appeared <u>Scott</u>	R. Gant who is person who acknowledged the foregoing Notary Public My commission expires:
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State of County of Before personally instrument inventor's State of County of Before personally	me this day of known or proved to me on the of assignment to be his/her free of assignme)) ss.:) ne basis of sation act and deed.)) ss.:) e basis of sation	personally appearedScott _ sfactory evidence to be the Date Assignment Signed: Date Application S personally appearedJames	R. Gant who is person who acknowledged the foregoing Notary Public My commission expires: Signed who is

Page 3 of 3

PATENT APPLICATION

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

ATTORNEY DOCKET NO. 200400332-1

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:

Computer Having A Drive carrier				
Filing date: Herewith	Application No.:			
continuations-in-part (C-I-P's), divisionals, and rene Letters Patent, and any and all Letters Patent of the	forth therein, and any and all continuations, wals of and substitutes for said application for said United States and of countries foreign thereto which es, or reexaminations, or extensions of said Letters			
country, to be held and enjoyed by HPDC, its succe the full end of the term or terms for which said Let	lications in my/our name for Letters Patent in any ssors, assigns, nominees or legal representatives, to ters Patent respectively may be granted, reissued or d have been held and enjoyed by me/us had this			
that I/we have not executed and will not execute a covenant and agree that I/we will, each time a required eliver all such papers as may be necessary or dimprovement(s), said application and said Letters Palegal representatives, and I/we agree to communic respecting said invention(s) or improvement(s), said legal proceedings, to sign all lawful papers, to exective in the communication of the communication	signs, nominees and legal representatives to obtain ent protection for said invention(s) or improvement(s)			
AND I/we hereby authorize and request the Cor States and any official of any country or countries for patents on applications as aforesaid, to issue to HPI any and all Letters Patent for said invention(s) or im the United States which may be issued and grants accordance with the terms of this assignment.	DC, as assignee of the entire right, title and interest, provement(s), including any and all Letters Patent of			
I/we further authorize and direct the attorneys of said application now identified by the attorney dock same shall have been made known to them by the U	f record to insert the serial number and filing date of set number and title set forth above as soon as the nited States Patent and Trademark Office.			
IN WITNESS WHEREOF, I/we hereunto set my/o	ur hand(s) and seal(s):			
	signment Signed:			
Inventor's Signature (Seal)				
Inventor's Typed Name: Belgie B. McClelland II	Date Application Signed:			
State of Texas)				
County of)				
Before me this day of, personal	ly appeared <u>Belgie B. McClelland II</u> who is			
personally known or proved to me on the basis of satisfactory instrument of assignment to be his/her free act and deed.	evidence to be the person who acknowledged the foregoing			
	Notacy Public			

Rev 05/04 (Assign)

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

PATENT of 3
REEL: 015605 FRAME: 0127

My commission expires:

PATENT APPLICATION ATTORNEY DOCKET NO. 200400332-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

		Date	Assignment Signed:	
nventor's	Signature (Seal)		-	
nventor's	Typed Name: Keith J. Kuehn		Date Application	n Signed:
State of	Texas)		
) ss.:		
County of)		
personally	me this day of known or proved to me on to of assignment to be his/her free	he basis of satisfact	nally appeared <u>Keith</u> ory evidence to be the	yho i geperson who acknowledged the foregoing
				Notary Public
				My commission expires:
nventor's	Signature (Seal)	Date <i>A</i>	ssignment Signed:	***
nventor s	Typed Name: Qiang Wang		Date Application	Signed:
State of	Texas)		
) ss.:		
County of	this)		
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Before personally natrument anventor's sometiment are of county of Before personally serious and serio	known or proved to me on the of assignment to be his/her free Signature (Seal) Typed Name: Darrel W. Poulter Idaho me this day of known or proved to me on the		ssignment Signed: Date Application	Notary Public My commission expires: Signed:

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

Page 2 of 3

Rev 05/04 (Assign)

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

PATENT APPLICATION

ATTORNEY DOCKET NO. 200400332-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I we here	eunto set my/our hand(s) and seal(s):
	Date Assignment Signed:
Inventor's Signature (Seal)	Date 10 signification
Inventor's Typed Name: Vidal Gonzales III	Date Application Signed
State of Texas	
County of) ss.:)
Before me this day of	personally appeared <u>Vidal Gonzales III</u> who is ne basis of satisfactory evidence to be the person who acknowledged the foregoing
manument of assignment to be mismer tre	e act and deed.
	Notary Public My commission expires:
40	12/21
Inventor's Signature (Seal)	Date Assignment Signed: 7 8 0
inventor's Typed Name: Scott R. Gant	Date Application Signed 7/8/04
State of California	
County of) ss.: }
Before me this	he basis of satisfactory evidence to be the person who acknowledged the foregoing
	Notary Public
	My commission expires.
	Date Assignment Signed:
Inventor's Signature (Seal)	
Inventor's Typed Name: James 8. Duke	Date Application Signed
State of Texas	}
County of) ss.;)
Before me this day of	personally appeared <u>James B. Duke</u> who is
personally known or proved to me on the instrument of assignment to be his/her free	ie basis of satisfactory evidence to be the person who acknowledged the foregoing
	Notary Public
	Mr. appropriate

PATENT REEL: 015605 FRAME: 0129

RECORDED: 07/19/2004