FORM PTO-1595	03-08-2005	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
1-31-92		
	102954725	nd address of receiving party(ies):
Name of conveying party(ies,	102004720	
Christopher L. Whittall		HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. 20555 SH 249
Angela N. Martin James S. Owen		Houston, TX 77070
Jeremy A. Saxton		ဖက် ၁၉
Maria Del Carmen Tate		1/22 223
Stephen R. Brown		299
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): 1/13/05, 1/24/	05, 1/24/05, 2/18/05, 2	2/9/05, 1/24/05
4. Application number(s) or patent	number(s):	
If this document is being filed tog	ether with a new applica	ation, execution date of the application is: 2/23/05
A. Patent Application No.(s)		B. Patent No.(s)
Application No.:	Date Filed:	
Confirmation No.:	Additional number	rs attached? NO
5. Name and address of party to vicencerning document should be		6. Total number of applications and patents involved: 1
Records Manager		7. Total Fee (37 CFR 3.41): \$40.00
Intellectual Property Administra HEWLETT-PACKARD COMPAN		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 true copy of the original documen		formation is true and correct and any attached copy is a
		· 0-11
Todd a. Rathe	Signature	7. fatta Feb 23, 2005 Date
Name of Person Signing Tot	U	ng cover sheet, attachments, and document: 6
OMB No. 0651-0011 (exp. 4/94)		
	Do Not detacl	
Mail document to be recorded with re	\	ation to: nt Recordation Services
01 FC:8021 40.00 BA	Director of the US Pat	ent and Trademark Office
		ox 1450 /A 22313-1450
	, ilvauridiu, i	

Rev 12/04 (Recdasgn)

When recorded please return to:

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

PATENT APPLICATION

ATTORNEY DOCKET NO. 200405341-1

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:

PRINTER	
Filing date: 6.28.2004	Application No.: 200405341
continuations-in-part (C-I-P's), divisionals, and Letters Patent, and any and all Letters Patent o	set forth therein, and any and all continuations of renewals of and substitutes for said application for sai of the United States and of countries foreign thereto whic reissues, or reexaminations, or extensions of said Letter
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 an 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 executed and agree that I/we will, each time adeliver all such papers as may be necessary mprovement(s), said application and said Lette egal representatives, and I/we agree to comessere the especting said invention(s) or improvement(s), egal proceedings, to sign all lawful papers, in the exerciting possible to aid HPDC, its successor and enforce, for its or their own benefit, prope	full right to convey the entire interest herein assigned, and coute any agreement in conflict herewith, and I/we further a request is made, and without undue delay, execute any or desirable to perfect the title to said invention(s) or ers Patent, to HPDC, its successors, assigns, nominees of municate to HPDC, or to its nominee, all known fact, said 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 a patent protection for said invention(s) or improvement(snees which may be incurred by me/us in lending suclaims.
States and any official of any country or count batents on applications as aforesaid, to issue t any and all Letters Patent for said invention(s)	ne Commissioner of Patents and Trademarks of the United tries 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 attorney	neys of record to insert the serial number and filing date only docket number and title set forth above as soon as the the United States Patent and Trademark Office.
NWITNESS WHEREOF, The hereunto set	my/our hand(s) and seal(s):
	Pate Assignment Signed: 1-13.05
Ventor's Signature (Seal)	ate Assignment Signed.
ventor's Typed Name: Christopher L. Whittali	Date Application Signed: 1-13-05
tate of CACIFORNIA	
ounty of SAN DIE30	
Before me this day of personally known or proved to me on the basis of satisfacturement of assignment to be his/her free act and deed.	ersonally appeared <u>Christopher L Whittall</u> who is sfactory evidence to be the person who acknowledged the foregoing
	Notary Public

Rev 12/04 (Assign)

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

Page 1 of 3

When recorded please return to:

HEWLETT-PACKARD COMPANY Intellectual Property Administration P. O. Box 272400 Fort Collins, Colorado 80527-2400 PATENT APPLICATION
ATTORNEY DOCKET NO. 200405341-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):	
Inventor's Signature (Seal)	1-24-05
Inventor's Typed Name: Angela N. Martin Date Application	Signed:
State of OFEGON) ss.:	
County of MUTHOMAH)	
Before me this 24 day of	Notaly Public My commission expires: 15-17-2008. 1/24/05 Signed:
Date Assignment Signed:	
Inventor's Signature (Seal)	
Inventor's Typed Name: Jeremy A. Saxton Date Application	Signed:
State of)) ss.:	
County of)	
Before me this day of	A. Saxton who is person who acknowledged the foregoing
	Notary Public My commission expires:
(Use Page Three For Additional Inventor(s) Signature(s))	Page 2 of 3
Nev 12/04 (Assign)	

When, recorded please return to:

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

ASSIGNMENT OF PATENT APPLICATION (cont.)

	Date Assignment Signed:	
inventor's Signature (Seal)		
Inventor's Typed Name: Angela N. Ma	rtin Date Application	n Signed:
State of)	
) ss.:	
County of)	
Before me this day of	personally appeared And	ela N. Martin who i
personally known or proved to me o	n the basis of satisfactory evidence to be th	e person who acknowledged the foregoin
nstrument of assignment to be his/her	free act and deed.	
		Notary Public
		My commission expires:
Number's Clareture (C-1)	Date Assignment Signed:	
nventor's Signature (Seal)		
nventor's Typed Name; James S. Owe	n Date Application	Signed:
tate of)	
mumbic of) ss.:	
ounty of)	
rsonally known or proved to me or	personally appearedlame the basis of satisfactory evidence to be the ree act and deed.	s.S. Owen who is person who acknowledged the foregoing
ersonally known or proved to me or	I the basis of satisfactory evidence to be the	s.S. Owen who is person who acknowledged the foregoing
ersonally known or proved to me or	I the basis of satisfactory evidence to be the	person who acknowledged the foregoing
ersonally known or proved to me or	I the basis of satisfactory evidence to be the	person who acknowledged the foregoing
Before me this day of ersonally known or proved to me or estrument of assignment to be his/her f	I the basis of satisfactory evidence to be the	person who acknowledged the foregoing
ersonally known or proved to me or	ithe basis of satisfactory evidence to be the ree act and deed.	Notary Public My commission expires:
ersonally known or proved to me or instrument of assignment to be his/her f	i the basis of satisfactory evidence to be the ree act and deed.	Notary Public My commission expires:
ersonally known or proved to me or	Date Assignment Signed:	Notary Public My commission expires: FEB 18 (2005)
ventor's Typed Name: Jeremy A. Saxt	Date Assignment Signed:	Notary Public My commission expires: FEB 19 200
ventor's Signature (Seal) ventor's Typed Name: Jeremy A. Saxt	Date Assignment Signed: Date Application BAR NOTA	Notary Public My commission expires: FF 6 OFFICIAL SEAL BARA E. GRAFF BY PUBLIC-OREGON
ventor's Signature (Seal) ventor's Typed Name: Jeremy A. Saxt	Date Assignment Signed: Date Assignment Signed: Date Application BAR NOTA COMI	Notary Public My commission expires: FF B SOPPORT AL SEAL BARA E. GRAFF RY PUBLIC-OREGON MISSION NO. 381189
ventor's Typed Name: Jeremy A. Saxtunet of OFFICEN	Date Assignment Signed: Date Assignment Signed: Date Application BAR NOTA COMI MY COMMIS	Notary Public My commission expires: FF 8 OFFICIAL SEAL BARA E. GRAFF HY PUBLIC-OREGON MISSION NO. 381 189 SION EXPIRES MAY 26, 2008
ventor's Signature (Seal) ventor's Typed Name: Jeremy A. Saxt ate of CRECON Before me this 16 day of FER resonally known or proved to me on	Date Assignment Signed: Date Assignment Signed: Date Application BAR NOTA COMMIS The basis of satisfactory evidence to be the	Notary Public My commission expires: FE B 19 OFFICIAL SEAL BARA E. GRAFF RY PUBLIC-OREGON MISSION NO. 381189 SION EXPIRES MAY 26, 2008
ventor's Signature (Seal) ventor's Typed Name: Jeremy A. Saxt ate of CRECTN Before me this 16 day of FER- resonally known or proved to me on	Date Assignment Signed: Date Assignment Signed: Date Application BAR NOTA COMMIS The basis of satisfactory evidence to be the	Notary Public My commission expires: PER 19 OFFICIAL SENL BARA E. GRAFF RY PUBLIC-OREGON MISSION NO. 381189 SION EXPIRES MAY 26, 2008 V.A. Saxton Person who acknowledged the foregoing
ventor's Signature (Seal) ventor's Typed Name: Jeremy A. Saxt ate of OPECCN Before me this 16 day of FER resonally known or proved to me on	Date Assignment Signed: Date Assignment Signed: Date Application BAR NOTA COMMIS The basis of satisfactory evidence to be the	Notary Public My commission expires: PER 19 OFFICIAL SENL BARA E. GRAFF RY PUBLIC-OREGON MISSION NO. 381189 SION EXPIRES MAY 26, 2008 V.A. Saxton Person who acknowledged the foregoing
ventor's Signature (Seal) ventor's Typed Name: Jeremy A. Saxt ate of CRECON Before me this IO day of FERS	Date Assignment Signed: Date Assignment Signed: Date Application BAR NOTA COMMIS The basis of satisfactory evidence to be the	Notary Public My commission expires: PER STATE SEAL BARA E. GRAFF RY PUBLIC-OREGON MISSION NO. 381189 SION EXPIRES MAY 26, 2008 V.A. Saxton Person who acknowledged the foregoing Motary Public
ventor's Signature (Seal) ventor's Typed Name: Jeremy A. Saxture of CRECON unity of WASHINGTON Before me this 16 day of FERST day of FERST sonally known or proved to me on	Date Assignment Signed: Date Assignment Signed: Date Application BAR NOTA COMMIS The basis of satisfactory evidence to be the	Notary Public My commission expires: PER 13 PER 13
entor's Signature (Seal) entor's Typed Name: Jeremy A. Saxtute of OPECTN unty of WACHINGTON Before me this 16 day of FEPS sonally known or proved to me on	Date Assignment Signed: Date Assignment Signed: Date Application BAR NOTA COMMIS The basis of satisfactory evidence to be the	Notary Public My commission expires: PER 13 PER 13
entor's Signature (Seal) entor's Typed Name: Jeremy A. Saxt te of CRECON unty of WATHINGTON Before me this it day of FERS sonally known or proved to me on rument of assignment to be his/her from	Date Assignment Signed: Date Assignment Signed: Date Application BAR NOTA COMI MY COMMIS the basis of satisfactory evidence to be the eact and deed.	Notary Public My commission expires: PER 13 PER 13
entor's Signature (Seal) entor's Typed Name: Jeremy A. Saxt te of CRECON unty of WATHINGTON Before me this it day of FERS sonally known or proved to me on rument of assignment to be his/her from	Date Assignment Signed: Date Assignment Signed: Date Application BAR NOTA COMMIS The basis of satisfactory evidence to be the	Notary Public My commission expires: PER 13 PER 13
ventor's Signature (Seal) ventor's Typed Name: Jeremy A. Saxt ate of CRECTN unity of WASHINGTON Before me this 16 day of FERS rsonally known or proved to me on trument of assignment to be his/her from	Date Assignment Signed: Date Assignment Signed: Date Application BAR NOTA COMI MY COMMIS the basis of satisfactory evidence to be the eact and deed.	Notary Public My commission expires: PER 13 OFFICIAL SEAL BARA E. GRAFF RY PUBLIC-OREGON MISSION NO. 381189 SION EXPIRES MAY 26, 2008 V.A. Saxton person who acknowledged the foregoing Notary Public My commission expires: LVYY 2L, 2006

When recorded please return to:

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

Fort Collins, Colorado 80527-2400

PATENT APPLICATION
ATTORNEY DOCKET NO. 200405341-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

		my/our hand(s) and seal(s):	
Maria	C.Jet	Date Assignment Signed:	09/05
Inventor's Signature (Soal)			3/09/05
Inventor's Typed Name: Maria L	Jei Carmen Tate	Date Application Signed	207/03
State of)		
County of) 53 ,:)		
Balace ma this day	nf.	personally appeared _Maria Del Carmer	· Washing
personally known or proved to instrument of ossignment to be t	THE OF THE DWNS OF	satistactory exidence to be the betack mu	a acknowledged the foregoing
		Notary Put	ske:
		•	esson explres:
		Date Assignment Signed:	
Inventor's Signature (Seal)			1
inventor's Typed Name: Stepher	R. Brown	Date Application Signed	
State of)	•	
County of) ss.:)		
-	,	personally appeared Stephen R. Brown	
		Notary Pub My commis	kg alon czpirew;
		Data Assignment State de	
nventor's Signature (Seal)		Date Assignment Signed:	
_		Date Assignment Signed:	
nventor's Typed Name:			
nventor's Typed Name:			
State of County of)) \$5.;)	Date Application Signed	
nventor's Typed Name: itate of County of)) \$5.;)	Date Application Signed	
nventor's Typed Name:)) ### properties of the prop	Date Application Signed personally appeared alistactory evidence to be the person who	
itate of County of Before me thisday (ersonally known or proved to)) ### properties of the prop	Date Application Signed personally appeared aliafactory evidence to be the person who	who is acknowledged the foregoing
nventor's Typed Name:)) ### properties of the prop	Date Application Signed personally appeared alistactory evidence to be the person who	who is acknowledged the foregoing
itate of County of Before me thisday (ersonally known or proved to)) ### properties of the prop	Date Application Signed	who is acknowledged the foregoing
nventor's Typed Name: State of County of Before me this day oversonally known or proved to estrument of assignment to be his) bs.;) of me on the basis of s is/her free act and deex	Date Application Signed	who is acknowledged the foregoing
nventor's Typed Name:) bs.;) of me on the basis of s is/her free act and deex	Date Application Signed	who is acknowledged the foregoing
tate of ounty of Before me thisday of ersonally known or proved to strument of assignment to be his) bs.;) of me on the basis of s is/her free act and deex	Date Application Signed	who is acknowledged the foregoing

RECEIVED TIME FEB. 10. 3:03PM

PRINT TIME FEB. 10. 3:06PM

When recorded please return to:

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

PATENT APPLICATION
ATTORNEY DOCKET NO. 200405341-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

		Date Assignment Signe	ed:	
Inventor's Signature (Seal)		· · · · · · · · ·		
nventor's Typed Name: Maria Del	Carmen Tate	Date Applic	ation Signed	
State of)			
County of) ss.:)			
Before me this day o personally known or proved to n nstrument of assignment to be his	me on the basis of sa	itisfactory evidence to be	Maria Del Carmen Tate e the person who acknowledged the fo	who is regoing
			Notary Public	
			My commission expires:	
AL DI		Date Assignment Signe	ed: 1-24-95	
	R. Brown	Date Applica	ation Signed 1-24-05	
State of OFEGN	<u> </u>	Date Applica	union orginos d	
County of MULTNOMA Before me this 244L day of	f <u>JWV W</u> ne on the basis of sa	isfactory evidence to be	Stephen R. Brown by the person who acknowledged the for	who is
	OFFICIAL DAVID R. K NOTARY PUBLIC COMMISSION N MY COMMISSION EXPIRES O	AUBLE C-OREGON 10, 385877	Noterly Public My commission expires: 15 - 17	<u> -200</u>
		Date Assignment Signe	d:	_
nventor's Signature (Seal)		.		
iventor's Typed Name:		Date Applica	ation Signed	_
tate of)) ss.:			
ounty of)			
Before me this day of ersonally known or proved to mustrument of assignment to be his/	ne on the basis of sati	, personally appeared isfactory evidence to be	the person who acknowledged the form	who is egoing
			Notary Public	
-			My commission expires:	