·FORM	PTO-1595
1-31-9	2



U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

Attorney Docket No. 200407148-1

102977523

1. Name of conveying party(ies):

Winthrop D. Childers

William R. Wagner

John M. Koegler

2. Name and address of receiving party(ies):

HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. 20555 SH 249

Houston, TX 77070

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P. Guy Howard		λ. 8. Δ.
Timothy F. Myers		
		135
Additional name(s) of conveying party(ies) attached _	YesX_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): 03/25/2005, 03/25/200	05, 03/23/200	5, 03/23/2005, 03/23/2005
4. Application number(s) or patent number	(s):	
If this document is being filed together with	th a new appli	cation, execution date of the application is: 03/29/2005
A. Patent Application No.(s)		B. Patent No.(s)
Application No.:	Date Filed:	
. 1.		
Confirmation No.: Ad	ditional number	ers attached? NO
5. Name and address of party to whom co		6. Total number of applications and patents involved: 1
concerning document should be mailed: Records Manager		7. Total Fee (37 CFR 3.41): \$40.00
Intellectual Property Administration		Enclosed
HEWLETT-PACKARD COMPANY P.O. Box 272400		
Fort Collins, Colorado 80527-2400		X Authorization to be charged to deposit accour
-		8. Deposit Account Number: 08-2025
	DO NOT USE	THIS SPACE
9. Statement and signature.	·	
-	he foregoing i	nformation is true and correct and any attached copy is a
true copy of the original document.		, and and and an an, and an, and an
/	71	X
Steven L. Nichols		Mar 20, 2005
	Signature	Mar 29, 2005 Date
	J	ling cover sheet, attachments, and document: 6
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Rev 12/04 (Recdasgn)

PATENT APPLICATION

ATTORNEY DOCKET NO. 200407148-1

HEWLET -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:

Filing date:	Application No.:
continuations-in-part (C-I-P's), divisionals Letters Patent, and any and all Letters Pat	nt(s) set forth therein, and any and all continuations, and renewals of and substitutes for said application for said tent of the United States and of countries foreign thereto which any reissues, or reexaminations, or extensions of said Letters
country, to be held and enjoyed by HPDC the full end of the term or terms for which	to file applications in my/our name for Letters Patent in any c, its successors, assigns, nominees or legal representatives, to ch said Letters Patent respectively may be granted, reissued or same would have been held and enjoyed by me/us had this
that I/we have not executed and will not covenant and agree that I/we will, each to deliver all such papers as may be nece improvement(s), said application and said legal representatives, and I/we agree to respecting said invention(s) or improvement legal proceedings, to sign all lawful paper C-I-P's, reissue and foreign applications, everything possible to aid HPDC, its such and enforce, for its or their own benefit, p	nave full right to convey the entire interest herein assigned, and execute any agreement in conflict herewith, and I/we furthere time a request is made, and without undue delay, execute and issary or desirable to perfect the title to said invention(s) or Letters Patent, to HPDC, its successors, assigns, nominees or communicate to HPDC, or to its nominee, all known facts ent(s), said application and said Letters Patent, to testify in any ers, to execute all disclaimers and divisionals, continuations, to make all rightful oaths and declarations, and generally to do cessors, assigns, nominees and legal representatives to obtain proper patent protection for said invention(s) or improvement(s) expenses which may be incurred by me/us in lending such PDC;
States and any official of any country or patents on applications as aforesaid, to is any and all Letters Patent for said invention	est the Commissioner of Patents and Trademarks of the United countries foreign to the United States whose duty it is to issue sue to HPDC, as assignee of the entire right, title and interest, on(s) or improvement(s), including any and all Letters Patent of and granted on or as a result of the application aforesaid, intent.
said application now identified by the att	attorneys of record to insert the serial number and filing date of orney docket number and title set forth above as soon as the may the United States Patent and Trademark Office.
IN WITNESS WHEREOF, I/we hereunte	o set my/our hand(s) and seal(s):
Inventor's Sig inature (Sea)	3/25-/2-
Inventor's Typed Name: Winthrop D. Childers	Date Application Signed: 125/05
State of) ss.:	
County of)	
Before me this day of	, personally appearedwho is
personally known or proved to me on the basis of instrument of assignment to be his/her free act and d	of satisfactory evidence to be the person who acknowledged the foregoing leed.
	Notary Public
	Notan Hiblic

Rev 12/04 (Assign)

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

Page 1 of 3

My commission expires:

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.	200407148-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I/we here	unto set my/our ha	and(s) and seal(s):	
1111			
Inventor's Typed Name: William R. Wagner	MUL Date As	signment Signed:	3/25/05
fiventor's Signature (Seal)			zhe/os
Inventor's Typed Name: William R. Wagner	<u> </u>	Date Application	Signed: 5/63/03
State of)		
County of) ss.:)		
Before me this 25 day of	, persona	lly appearedWillian	n R. Wagner who is
personally known or proved to me on the instrument of assignment to be his/her free	ne basis of satisfactor	y evidence to be the	person who acknowledged the foregoing
			Notary Public
			My commission expires:
	Date As	signment Signed:	
Inventor's Signature (Seal)			
Inventor's Typed Name: John M. Koeglar		Date Application	Signed:
State of)		
County of) ss.:)		
Refore me this day of	. persona	lly appeared John!	M. Koegler who is
personally known or proved to me on the instrument of assignment to be his/her free	ne basis of satisfactor	y evidence to be the	person who acknowledged the foregoing
			Notary Public
			My commission expires:
	Date As	signment Signed:	
nventor's Signature (Seal)			
nventor's Typed Name: P. Guy Howard		Date Application :	Signed:
State of)		
County of) ss.:)		
Before me this day of personally known or proved to me on the instrument of assignment to be his/her free	e basis of satisfactor	ly appeared <u>P. Guy</u> y evidence to be the	who is person who acknowledged the foregoing
			Notary Public
			My commission expires:

Page 2 of 3

REEL: 016442 FRAME: 0042

Fort Collins, Colorado 80527-2400

PATENT APPLICATION ATTORNEY DOCKET NO. 200407148-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

	Date Assignment Signed:
Inventor's Signature (Seal)	
Inventor's Typed Name: William R. Wagner	Date Application Signed:
State of)	
County of) ss	.:
personally known or proved to me on the basis instrument of assignment to be his/her free act an	, personally appearedwilliam R. Wagner who is sof satisfactory evidence to be the person who acknowledged the foregoing dideed.
	Notary Public
,	My commission expires:
Mirelion 3 digitatura koead /	Date Assignment Signed: 3/23/05
Inventor's Typed Name: John M. Koegler	Date Application Signed: 3/23/05
State of	
) ss County of	:: -
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 <u>John M. Koegler</u> who is sof satisfactory evidence to be the person who acknowledged the foregoing dideed.
1/	
. 1/	Notary Public My commission expires:
Rhaman	
myentari a Signafilira (Sad)	Date Assignment Signed:
Inventor's Signat Gre (Seal)	2/2/2/25
nventor's Typed Name: P. Guy Howard	Date Application Signed: 27/07/0
State of)	
) ss. County of)	•
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 appearedP Guy Howard who is of satisfactory evidence to be the person who acknowledged the foregoing deed.
	Notary Public
	My commission expires:
(Lee Pres Three Fo	r Additional Inventor(s) Signature(s)) Page 2 of 3

Rev 12/04 (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. 200407148-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I we hereun	o set my/our hand(s) and seal(s):
Timothy & Mye	Date Assignment Signed: 3/23/05 Date Application Signed 3/23/05
Inventor's Signature (Seal)	3/22/15
Inventor's Typed Name: Timothy F. Myers	Date Application Signed 723/03
State of)	
County of)	ss.:
personally known or proved to me on the	, personally appeared <u>Timothy F. Myers</u> who is asis of satisfactory evidence to be the person who acknowledged the foregoing
instrument of assignment to be his/her free ac	and deed.
	Notary Public My commission expires:
Inventor's Signature (Seal)	Date Assignment Signed:
	Date Application Signed
Inventor's Typed Name:	Date Application Signed
State of)	SS.:
County of)	
Before me this day of personally known or proved to me on the instrument of assignment to be his/her free ac	, personally appeared who is asis of satisfactory evidence to be the person who acknowledged the foregoing and deed.
	Notary Public
	My commission expires:
Inventor's Signature (Seal)	Date Assignment Signed:
	Date Application Signed
Inventor's Typed Name:	Date Application Signed_
State of)	ss.:
County of)	
Before me this day of personally known or proved to me on the instrument of assignment to be his/her free ac	, personally appearedwho is asis of satisfactory evidence to be the person who acknowledged the foregoing and deed.
	Notary Public
	My commission expires:

Page 3 of 3

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

Rev 12/04 (Assign2)

RECORDED: 03/29/2005

PATENT REEL: 016442 FRAME: 0044