	10-30-2003			
FORM PTO-1595 (Rev. 10/02)			R SHEET Y	U.S. DEPARTMENT OF COMMERCE U.S. Palent and Trademark Office
OMB No. 0651-0027 (exp. 6/30/2005) To the Director of the United Sta.	102587891	lease record th	e attached original do	cuments or copy thereof.
Name of conveying part(ies):			and address of re	
Curtis C. Ballard William Wesley Torrey Michael J. Chaloner	29.03	Name:		ckard Company Property Administrator
		Ouccir		lins, Colorado 80527-2400
Additional name(s) of conveying party(is	es) attached?	Addition	al name(s) & address	(es) attached? ☐ Yes ☒ No
3. Nature of conveyance:				
	erger ange of Name			
Execution Date: 09-10-03, 10-20-03,	and 09-25-03		· · · · · · · · · · · · · · · · · · ·	
4. Application number(s) or patent numl	ber(s):			8
If this document is being filed to	gether with a new applic	cation, the ex	xecution date of th	ne applica tio n is
4. Application number(s) or patent number If this document is being filed to A. Patent application N 10/657,475	lo.(s)		B. Paten	t No.(s)
10/657,475				HO 18 0
<u></u>	Additional numbers attach	ed? 🗌 Yes 🛚	⊠No	5
Name and address of party to whom concerning document should be maile	correspondence			ions/patents involved: [1]
		7. Total fe	e (37 CFR 3.41)	\$ 40.00
Scott A. Horstemeyer Thomas, Kayden, Horstemeye 100 Galleria Parkway, Suite 175			closed thorization to char	ge to deposit account
Atlanta, Georgia 30339-5948		9 Donosi	t Account Numbe	r-
				• • · · · · · · · · · · · · · · · · · ·
			8-2025	. if paying by Donocit Associati
	DO NOT USE T	1		if paying by Deposit Account)
	DO NOT USE II	TIS SPACE		
 Statement and signature. To the best of my knowledge and belitrue copy of the original document. 	ief, the foregoing informa	ation is true	and correct and a	ny attached copy is a
Scott A. Horstemeyer Typed Name	Isio	nature	M_	10/21/03
	mber of pages including cover		nents, and document:	[4]
Mail docume	ents to be recorded with req	uired cover s	neet information to:	

Mail Stop Assignment Recordation Services
Director of the United States Patent and Trademark Office
475
P.O. Box 1450

00000166 082025 10657475

Alexandria, Virginia 22313-1450

1 FC:8021 40.00 DA

> **PATENT** REEL: 014630 FRAME: 0717

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

ATTORNEY DOCKET NO. 200314482-1

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:

• •	for Letters Patent of th		ntitled:		
Systems an	d Methods for Backing	Up Data			<u> </u>
Filing date:	09-08-03		Application No.:	10/657,475	•
continuation Letters Pate	invention(s) and imp ns-in-part (C-I-P's), div ent, and any and all Lei nted thereon or therefo	isionals, and rene tters Patent of the	ewals of and subst e United States and	itutes for said a of countries for	application for said reign thereto which
the full end extended, a	additionally authorize be held and enjoyed b I of the term or terms as fully and entirely a , and transfer not been	by HPDC, its succ for which said Le as the same wou	essors, assigns, no tters Patent respec	minees or legal tively may be g	representatives, to ranted, reissued or
that I/we had covenant and deliver all simprovemer legal representing slegal procedule. C-I-P's, reiseverything and enforce in any and	we hereby covenant that ave not executed and and agree that I/we will such papers as may lead to be a sentatives, and I/we assaid invention(s) or impedings, to sign all law assue and foreign application possible to aid HPDC, e, for its or their own be all countries provided and assistance are particular to the secondary and assistance are particular and assistance	will not execute , each time a recome necessary or and said Letters Fagree to communorovement(s), said ful papers, to eations, to make a its successors, a penefit, proper pared the expenses	any agreement in offices and desirable to perfect attent, to HPDC, its nicate to HPDC, or application and saxecute all disclaimed assigns, nominees attent protection for saverage.	conflict herewith without undue to the title to so successors, as to its nomined aid Letters Pater and division declarations, and legal repressaid invention(s)	h, and I/we further delay, execute and aid invention(s) or signs, nominees or e, all known facts at, to testify in any lals, continuations, and generally to do entatives to obtain or improvement(s)
States and patents on any and all the United	we hereby authorize an any official of any cou applications as aforesa Letters Patent for said States which may be with the terms of this	intry or countries aid, to issue to HI I invention(s) or in issued and gran	foreign to the Unite PDC, as assignee of nprovement(s), incl	ed States whose f the entire right uding any and a	e duty it is to issue t, title and interest, all Letters Patent of
said applica	rther authorize and dire ation now identified by have been made know	the attorney do	cket number and ti	tle set forth abo	ove as soon as the
IN WIT	NESS WHEREOF, I/we	hereunto set my/	our hand(s) and sea	al(s):	
Inventor's Sign	h Espellar,	Date A	ssignment Signed:	ept. 19,2	003
Inventor's Typ	ed Name: <u>Curtis C. Ballard</u>		Date Application	Signed: Sept.	19,2003
State of)		,	
County of) ss.:)			
personally kno	this day of own or proved to me on the assignment to be his/her free	he basis of satisfacto			who is who is owledged the foregoing
				Notary Public	
				My commission expir	res.

PATENT 1 of 2
REEL: 014630 FRAME: 0718

PATEN	T APPLICATION	
ATTORNEY DOCKET NO.	200314482-1	

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, IA	e hereunto set i	my/our hand(s) and seal(s):
Will W True		Date Assignment Signed: Oct, 20, 2003
Inventor's Signature (Seal)		
Inventor's Typed Name: William W	esley Torrey	Date Application Signed: Det 20, 2003
State of)	
County of) ss.:)	
	me on the basis of	, personally appeared <u>William Wesley Torrey</u> who is satisfactory evidence to be the person who acknowledged the foregoing sed.
		Notary Public My commission expires:
Inventor's Signature (Seal)		Date Assignment Signed:
Inventor's Typed Name: Michael J	. Chaloner	Date Application Signed:
State of)) ss.:	
County of)	
	me on the basis of	, personally appearedMichael J. Chaloner who is satisfactory evidence to be the person who acknowledged the foregoing ed.
		Notary Public
		My commission expires: Date Assignment Signed:
Inventor's Signature (Seal)		
Inventor's Typed Name:		Date Application Signed:
State of)) ss.:	
County of)	
Before me this day of _ personally known or proved to r instrument of assignment to be his	ne on the basis of	, personally appeared who is satisfactory evidence to be the person who acknowledged the foregoing ed
		Notary Public
		My commission expires:

Page 2 of 2

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

	PA	TENT	APPLICATION	
ATTORNEY	DOCKET	NO.	200314482-1	

ASSIGNMENT OF PATENT APPLICATION (cont.)

	Dat	te Assignment Signed:
Inventor's Signature (Seal)		
Inventor's Typed Name: William Wesley	y Torrey	Date Application Signed:
State of)	
County of) ss.:)	
Before me this day of	, per	sonally appeared William Wesley Torrey who
personally known or proved to me or instrument of assignment to be his/her	n the basis of satisfa free act and deed.	sonally appeared <u>William Wesley Torrey</u> who is actory evidence to be the person who acknowledged the foregoin
		Notary Public
		My commission expires:
Michael J. Cha Inventor's Signature (Seal)	lonDat	e Assignment Signed: 4 - 2,7 - 2003
Inventor's Typed Name: Michael J. Cha	loner	Date Application Signed:
State of)	
) ss.:	
County of)	
County of)	
Before me this day of personally known or proved to me on) , pers 1 the basis of satisfa	sonally appeared <u>Michael J. Chaloner</u> who is actory evidence to be the person who acknowledged the foregoing
Before me this day of personally known or proved to me on) , pers 1 the basis of satisfa	sonally appeared <u>Michael J. Chaloner</u> who is actory evidence to be the person who acknowledged the foregoing Notary Public
Before me this day of personally known or proved to me on) , pers 1 the basis of satisfa	sonally appeared <u>Michael J. Chaloner</u> who is actory evidence to be the person who acknowledged the foregoing Notary Public My commission expires:
Before me this day of personally known or proved to me on) , pers 1 the basis of satisfa	actory evidence to be the person who acknowledged the foregoing Notary Public
Before me this day of personally known or proved to me on instrument of assignment to be his/her f), pers	actory evidence to be the person who acknowledged the foregoing Notary Public
Before me this day of personally known or proved to me on instrument of assignment to be his/her f), pers	Notary Public My commission expires: Assignment Signed:
Before me this day of personally known or proved to me on instrument of assignment to be his/her f nventor's Signature (Seal)), pers	Notary Public My commission expires:
Before me this day of personally known or proved to me on instrument of assignment to be his/her f nventor's Signature (Seal)), pers the basis of satisfaree act and deed. Date Date	Notary Public My commission expires: Assignment Signed:
Before me this day of personally known or proved to me on instrument of assignment to be his/her f nventor's Signature (Seal) nventor's Typed Name:), pers	Notary Public My commission expires: Assignment Signed:
Before me this day of personally known or proved to me on instrument of assignment to be his/her f nventor's Signature (Seal) nventor's Typed Name: State of County of Before me this day of personally known or proved to me on), pers the basis of satisfative act and deed. Date), pers the basis of satisfative act and deed.	Notary Public My commission expires: Assignment Signed: Date Application Signed: onally appeared who is
Before me this day of personally known or proved to me on instrument of assignment to be his/her f nventor's Signature (Seal) nventor's Typed Name: State of County of Before me this day of personally known or proved to me on), pers the basis of satisfative act and deed. Date), pers the basis of satisfative act and deed.	Notary Public My commission expires: Assignment Signed: Date Application Signed: onally appeared who is
Before me this day of personally known or proved to me on instrument of assignment to be his/her f Inventor's Signature (Seal) Inventor's Typed Name: State of County of Before me this day of), pers the basis of satisfative act and deed. Date), pers the basis of satisfative act and deed.	Notary Public Notary Public My commission expires: Assignment Signed: Date Application Signed:

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

Page 2 of 2

Rev 05/03 (Assign)

RECORDED: 10/29/2003

PATENT REEL: 014630 FRAME: 0720