FORM PTO- 595 1-31-92 RECC	11-	03-2005	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office		
10.26-05			torney Docket No. 200502488-1		
Name of conveying party(ies):	1 0:	3112850	of receiving party(ies):		
Kelly J. Reasoner		Ī	ARD DEVELOPMENT COMPANY, L.P.		
Curtis C. Ballard		20555 SH 249 Houston, TX 7	Q		
Mike P. Fleischmann		riousion, rx r	113256 U.S.F 11/259227		
Additional name(s) of conveying party(ies) attached	Yes _X_No	Additional name(s) & add	dress(es) attached?Yes _X No		
3. Nature of Conveyance:					
X Assignment	Merger	Change of Name			
Security Agreement	Other				
Execution Date(s): 10/25/2005					
4. Application number(s) or patent number	(s):				
If this document is being filed together wi	th a new appli	cation, execution date	e of the application is: 10/25/2005		
A. Patent Application No.(s)			B. Patent No.(s)		
Application No.:	Date Filed:				
Confirmation No.: Ac	dditional numb	ers attached? NO			
5. Name and address of party to whom correspondence		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 HEWLETT-PACKARD COMPANY		Enclosed			
P.O. Box 272400 Fort Collins, Colorado 80527-2400		X Authorization to be charged to deposit account.			
11/01/2005 BRYRNE 00000225 082025 11259222		8. Deposit Account	t Number: <u>08-2025</u>		
01 FC+8021 40.00 BA	DO NOT US	E THIS SPACE			
9. Statement and signature. To the best of my knowledge and belief, true copy of the original document.	the foregoing	information is true an	nd correct and any attached copy is a		
Kenneth W. Float	KemultVa	A	Oct 26, 2005		
Name of Person Signing	Signature	•	Date 3		
Total number	er of pages inclu	ding cover sheet, attac	hments, and document: 3		
OMB No. 0651-0011 (exp. 4/94) Do Not detach this portion					
Mail document to be recorded with required cover sheet information to:					
Mail Stop Assignment Recordation Services					
Director of the US Patent and Trademark Office PO Box 1450					
Alexandria, VA 22313-1450					

Rev 12/04 (Recdason)

Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 200502488-1

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:

Efficient Error Reporting From an Operator Control Panel of a Storage Apparatus		
iling date: Application No.:		
and the invention(s) and improvement(s) set forth therein, and any and all continuations ontinuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said etters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which hay be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters Patent.		
I/we additionally authorize HPDC to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by HPDC, its successors, assigns, nominees or legal representatives, to he full end of the term or terms for which said Letters Patent respectively may be granted, reissued of extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;		
AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and hat I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and leliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to HPDC, its successors, assigns, nominees or egal representatives, and I/we agree to communicate to HPDC, or to its nominee, all known facts especting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any egal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to deterpthing possible to aid HPDC, its successors, assigns, nominees and legal representatives to obtain any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HPDC;		
AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue the tents on applications as aforesaid, to issue to HPDC, as assignee of the entire right, title and interest any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.		
I/we further authorize and direct the attorneys of record to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.		
IN WITNESS WHEREOF I/we hereunto set my/our hand(s) and seal(s):		
Date Assignment Signed: 0.5, 2005		
7-25-2-5		
itate of) ss.:		
County of)		
Before me this day of, personally appeared <u>Kelly J. Reasoner</u> who is sersonally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoin astrument of assignment to be his/her free act and deed.		
Notary Public		
My commission expires:		

Page 1 of 2

When recorded please return to:
HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P. O. Box 272400
Fort Collins, Colorado 80527-2400

PATEN	T APPLICATION	
ATTORNEY DOCKET NO.	200502488-1	

ASSIGNMENT OF PATENT APPLICATION (cont.)

N WITNESS WHEREOF, I/we here	unto set my/our hand(s) and seal(s):	
Justo & Salled	Date Assignment Signed:	1. 25, 2005
nventor's Signature (Seal)		A / 35 500
nventor's Typed Name: Curtis C. Ballard	Date Application S	igned: Oct. 25, 2005
State of)	
County of) ss.:)	
·	, personally appearedCurtis (: Ballard who is
personally known or proved to me on the instrument of assignment to be his/her free	he basis of satisfactory evidence to be the p	person who acknowledged the foregoing
		Notary Public
		My commission expires:
Mire P Fleider	Date Assignment Signed:C	+ 25,2005
Inventor's Signature (Seal)		0/4 25 200
Inventor's Typed Name: Mike P. Fleischma	ann Date Application S	signed: UCT ZJ Z005
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	, personally appeared <u>Mike P</u> he basis of satisfactory evidence to be the p e act and deed.	Fleischmann who is person who acknowledged the foregoing
		Notary Public
		My commission expires:
(0.01)	Date Assignment Signed:	
Inventor's Signature (Seal)	Date Application S	Named:
Inventor's Typed Name:	Date Application	ngried
State of)) ss.:	
County of)	
Before me this day of personally known or proved to me on t instrument of assignment to be his/her fre	the basis of satisfactory evidence to be the seact and deed.	person who acknowledged the foregoing
		Notary Public
		My commission expires:
(Use Pag	e Three For Additional Inventor(s) Signature(s))	Page 2 of 2

Rev 12/04 (Assign)

PATENT REEL: 017156 FRAME: 0344