1-31-92	07-29-20	0.5. DEPARTMENT OF COMME DO5 T Patent and Trademark O	
. '		Attorney Docket No. 200500634-	
1. Name of conveying party(ies):	1030509	一位 河南市 東洋 [漢史]	
Barrett Trask	10000009	HEWLETT-PACKARD DEVELOPMENT COMPANY, I	
   Robert Gilanyi		20555 SH 249	
Arthur L. Sabsevitz		Honston' LX 24040	
Additional name(s) of conveying party(ies) at	ttachedYes _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): 07/22/2005			
4. Application number(s) or patent r	number(s):		
If this document is being filed toge	ther with a new appl	ication, execution date of the application is: 07/22/2005	
A. Patent Application No.(s)		B. Patent No.(s)	
Application No.:	Date Filed:		
Confirmation No.:	Additional numb	ers attached? NO	
5. Name and address of party to wh concerning 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 Administrati HEWLETT-PACKARD COMPANY		Enclosed	
P.O. Box 272400 Fort Collins, Colorado 80527-24	100	X Authorization to be charged to deposit accou	
		8. Deposit Account Number:08-2025	
	DO NOT US	E THIS SPACE	
l			
9 Statement and signature			
9. Statement and signature.	belief, the foregoing	information is true and correct and any attached copy is	
<u>-</u>	belief, the foregoing	information is true and correct and any attached copy is	
To the best of my knowledge and	belief, the foregoing	information is true and correct and any attached copy is	
To the best of my knowledge and true copy of the original document.	belief, the foregoing		
To the best of my knowledge and true copy of the original document.  Jed Caven		Jul 22, 2005	
To the best of my knowledge and a true copy of the original document.  Jed Caven  Name of Person Signing	Signature		
To the best of my knowledge and a true copy of the original document.  Jed Caven  Name of Person Signing	Signature number of pages inclu	Jul 22, 2005  Date  ding cover sheet, attachments, and document: 4	
To the best of my knowledge and true copy of the original document.  Jed Caven  Name of Person Signing  Total  OMB No. 0651-0011 (exp. 4/94)	Signature number of pages inclu	Jul 22, 2005  Date  ding cover sheet, attachments, and document: 4	
To the best of my knowledge and a true copy of the original document.  Jed Caven Name of Person Signing  Total  OMB No. 0651-0011 (exp. 4/94)  Mail document to be recorded with require	Signature number of pages inclu  Do Not deta uired cover sheet inforr	Date  ding cover sheet, attachments, and document: 4  ach this portion  mation to:	
To the best of my knowledge and true copy of the original document.  Jed Caven  Name of Person Signing  Total  OMB No. 0651-0011 (exp. 4/94)	Signature number of pages inclu  Do Not deta  uired cover sheet inform  Mail Stop Assignm	Jul 22, 2005  Date  ding cover sheet, attachments, and document: 4	

PATENT REEL: 016804 FRAME: 0768 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. 200500634-1

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:

FILE CACHE MANAGEMENT S	SYSTEM
Filing date:	Application No.:
Letters Patent, and any and all	improvement(s) set forth therein, and any and all continuations divisionals, and renewals of and substitutes for said application for said I Letters Patent of the United States and of countries foreign thereto which erefor; and any reissues, or reexaminations, or extensions of said Letters
the full end of the term or ter	rize HPDC to file applications in my/our name for Letters Patent in any ed by HPDC, its successors, assigns, nominees or legal representatives, to ms for which said Letters Patent respectively may be granted, reissued or ely as the same would have been held and enjoyed by me/us had this been made;
that I/we have not executed a covenant and agree that I/we deliver all such papers as maimprovement(s), said application application and I/we respecting said invention(s) or legal proceedings, to sign all C-I-P's, reissue and foreign apeverything possible to aid HPI and enforce, for its or their ow	t that I/we have full right to convey the entire interest herein assigned, and and will not execute any agreement in conflict herewith, and I/we further will, each time a request is made, and without undue delay, execute and ay be necessary or desirable to perfect the title to said invention(s) or on and said Letters Patent, to HPDC, its successors, assigns, nominees or or eagree to communicate to HPDC, or to its nominee, all known facts improvement(s), said application and said Letters Patent, to testify in any lawful papers, to execute all disclaimers and divisionals, continuations, uplications, to make all rightful oaths and declarations, and generally to do DC, its successors, assigns, nominees and legal representatives to obtain on benefit, proper patent protection for said invention(s) or improvement(s) wided the expenses which may be incurred by me/us in lending such a paid by HPDC;
States and any official of any o patents on applications as afor any and all Letters Patent for s	to and request the Commissioner of Patents and Trademarks of the United country or countries foreign to the United States whose duty it is to issue resaid, to issue to HPDC, as assignee of the entire right, title and interest said invention(s) or improvement(s), including any and all Letters Patent of be issued and granted on or as a result of the application aforesaid, in this assignment.
said application now identified	direct the attorneys of record to insert the serial number and filing date of by the attorney docket number and title set forth above as soon as the own to them by the United States Patent and Tradomark Office.
IN MATTNESS WHEREOF, I/	ve Hereunto set Triy/our hand(s) and seal(s):  Date Assignment Signed: 07/32/2005
nventor's Typed Name: Barrett Trask	Date Application Signed: 07/22/2005
State of	<b>)</b>
County of	) <u>as</u> .:
Before me this day of corsonally known or proved to me on instrument of assignment to be his/her	, personally appeared <u>Barrett Trask</u> who is on the basis of satisfactory evidence to be the person who acknowledged the foregoing free act and deed.
	Notary Public My commission expires:

Page 1 of 2

Rev 12/04 (Assign)

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

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## PATENT APPLICATION ATTORNEY DOCKET NO. 200500634-1

## ASSIGNMENT OF PATENT APPLICATION (cont.)

	Date Assignment Signed:	
Inventor's Signature (Seal)	<b>V</b> • • • • • • • • • • • • • • • • • • •	
Inventor's Typed Name: Robert Gilanyi	Date Application Signed:	<del></del>
State of	)	
Country of	) ss.:	
County of	)	
Before me this day of personally known or proved to me on instrument of assignment to be his/her fr	, personally appeared <u>Robert Gilanyi</u> the basis of satisfactory evidence to be the person who a see act and deed.	who is cknowledged the foregoing
	Notary Public My commission	expires:
arth I, Juhn (Inventor's Signature (Seal)	Date Assignment Signed: 7/22	2505
Inventor's Typed Name: Arthur L Sabset	vitz Date Application Signed:	122/2005
State of	)	
County of	) ss_: \	
	Notary Public My commission	
		expires.
	Poto Assignment Signed:	
nventor's Signature (Seal)	Date Assignment Signed:	
	Date Assignment Signed: Date Application Signed:	
nventor's Typed Name:		
Inventor's Typed Name:	Date Application Signed:	
State of  County of  Before me this day of personally known or proved to me on	Date Application Signed:  ) ) ss.: ) , personally appeared the basis of satisfactory evidence to be the person who a	who is
State of  County of  Before me this day of personally known or proved to me on	Date Application Signed:  ) ) ss.: ) , personally appeared the basis of satisfactory evidence to be the person who a	who is
personally known or proved to me on instrument of assignment to be his/her fro	Date Application Signed:  ) ) ss.: )  the basis of satisfactory evidence to be the person who are act and deed.	who is
nventor's Typed Name:State of  County of  Before me this day of  personally known or proved to me on anstrument of assignment to be his/her from	Date Application Signed:  ) ) ss.: )  the basis of satisfactory evidence to be the person who are act and deed.  Notary Public My commission	who is cknowledged the foregoins expires:

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

PATENT APPLICATION
ATTORNEY DOCKET NO. 200500634-1

## ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF,	I/we hereunto set my	//our hand(s) and scal(s):	
1		Date Assignment Signed: 227	CLY 2005
Inventor's Signature (Seal)			- 1 1 1
Inventor's Typed Name: Rober	t Gilanyi	Date Application Signed:	2-2-70/4 2000
State of	)		
County of	) ss.; )		
Before me this day personally known or proved to instrument of assignment to be	to me on the basis of sa	personally appeared Robert Gilanyi itisfactory evidence to be the person	who is who is who acknowledged the foregoing
		Notery	Public
			mmission expires:
		Date Assignment Signed:	
Inventor's Signature (Seal)			
Inventor's Typed Name: Arthu	/ L. Sabsevitz	Date Application Signed:_	, H.V.
State of	)		
County of	) ss.: )		
instrument of assignment to be		Notary	Public
		Date Assignment Signed:	
Inventor's Signature (Seal)			
Inventor's Typed Name:		Date Application Signed:_	
State of	)		
County of	) ss.: )		
	to me on the basis of sa	atistactory evidence to be the person	who acknowledged the foregoing
instrument of assignment to be	, <u>.</u>		
			Public Immission expires:
			Page 2 of 2
	(Use Page Three For Addit	tional Inventor(s) Signature(s))	- +0x = 4-
Rev 12/04 (Assign)			
American American			

**RECORDED: 07/22/2005** 

PATENT REEL: 016804 FRAME: 0771