FORM PTO-1595 1-31-92	08-22-20	Patent and Trademark Office			
*		Attorney Docket No. 200313907-1			
Name of conveying party(ies):	1025317	3.1 Name and address of receiving party(ies):			
Michael T. Roeder John W. Flick	ARD 8-14-03	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. 20555 SH 249 Houston, TX 77070			
Additional name(s) of conveying party(ies) a	ttached 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): August 6, and 1	3, 2003				
4. Application number(s) or patent	number(s):				
If this document is being filed toge  A. Patent Application No.(s)  Application No.:	ther with a new applic COUMAL Date Filed:	B. Patent No.(s)			
Confirmation No.:	Additional numbe	ers attached? NO			
5. Name and address of party to wo		6. Total number of applications and patents involved: 1			
Records Manager Intellectual Property Administration HEWLETT-PACKARD COMPANY P.O. Box 272400 Fort Collins, Colorado 80527-2400		7. Total Fee (37 CFR 3.41): \$40.00  Enclosed  X Authorization to be charged to deposit account.			
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James K. Okamoto	Juk	Aug 14, 2000			
Name of Person Signing	Signature	Date ling cover sheet, attachments, and document; 5			
Total number of pages including cover sheet, attachments, and document: 5  OMB No. 0651-0011 (exp. 4/94)					
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#### ASSIGNMENT OF PATENT APPLICATION

8	I/We, the undersigned (each) have agreed and hereby agree to assist EVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its pripuston. Texas, (hereinafter HPDC), in furtherance of my/our obligation of the big and its subsidiaries and affiliates, and do hereby assign and transfer assigns, the entire right, title and interest, including the right of pripplication for Letters Patent of the United States entitled:	incipal place of business in to the Hewlett-Packard
B	OUTING CACHE MANAGEMENT WITH ROUTE FRAGMENTATION	
F	ing date: Application No.:	
L	d the invention(s) and improvement(s) set forth therein, and an intinuations-in-part (C-I-P's), divisionals, and renewals of and substitutes facers Patent, and any and all Letters Patent of the United States and of courage be granted thereon or therefor; and any reissues, or reexaminations, of tent.	or said application for said
th ex	I/we additionally authorize HPDC to file applications in my/our name juntry, to be held and enjoyed by HPDC, its successors, assigns, nominees a full and of the term or terms for which said Latters Patent respectively maked, as fully and entirely as the same would have been held and esignment, and transfer not been made;	or legal representatives, to
de imile re le Court en in	AND I/we hereby covenant that I/we have full right to convey the entire in at I/we have not executed and will not execute any agreement in conflict venant and agree that I/we will, each time a request is made, and without liver all such papers as may be necessary or desirable to perfect the tiprovement(s), said application and said Letters Patent, to HPDC, its successal representatives, and I/we agree to communicate to HPDC, or to its specting said invention(s) or improvement(s), said application and said Letters patents and inventions, to sign all lawful papers, to execute all disclaimers and I-P's, reissue and foreign applications, to make all rightful oaths and declar erything possible to aid HPDC, its successors, assigns, nominees and legal denforce, for its or their own benefit, proper patent protection for said inventy and all countries provided the expenses which may be incurred to operation and assistance are paid by HPDC;	herewith, and I/we further undue delay, execute and tile to said invention(s) or sors, assigns, nominees or nominee, all known facts as Patent, to testify in any divisionals, continuations, ations, and generally to do representatives to obtain nation(s) or improvement(s)
pa an th	AND I/we hereby authorize and request the Commissioner of Patents and stes and any official of any country or countries foreign to the United State tents on applications as aforesaid, to issue to HPDC, as assignee of the entry and all Letters Patent for said invention(s) or improvement(s), including an United States which may be issued and granted on or as a result of the cordance with the terms of this assignment.	s whose duty it is to issue ize right, title and interest, y and all Letters Patent of
82 82	I/we further authorize and direct the attorneys of record to insert the serial displication now identified by the attorney docket number and title set for me shall have been made known to them by the United States Patent and Tr	orth above as soon as the
	IN WITNESS WHEREOF I/we hereunto set my/our hand(s) and seal(s):	_
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Inv	pritor's Typed Nama: Michael T. Rooder Date Application Signed:	
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**PATENT** 

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HEWLETT-PACKARD COMPANY	·	PATENT APPLICATION
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Fort Collins, Colorado BO527-2400	)	
	ASSIGNMENT OF PATENT APPLICATION (co	nt.)
IN WITNESS WHEREOF, I/we	hereunto set my/our hand(s) and seal(s):	
	Onte Assignment Signed:	
laventor's Signature (Seat)		
leventor's Typed Name: John W. Flic	k Data Application Signed:	
State of	) } es.:	1
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Before me this day of	personally appeared John W. Flick	who is
personally known or proved to me instrument of assignment to be his/he	on the basis of satisfactory evidence to be the person	who acknowledged the foregoing
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#### PATENT APPLICATION

ATTORNEY DOCKET NO. 200313907-1

### 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 entired:

	atent of the United Sta		
ROUTING CACHE MAN	AGEMENT WITH ROUT	E FRAGMENTATION	
Filing date:		Application No.:	
continuations-in-part (C Letters Patent, and any	i-l-P's), divisionals, and and all Letters Patent o	set forth therein, and any and all renewals of and substitutes for said appli of the United States and of countries foreign relssues, or reexaminations, or extensions	cation for said
country, to be held and the full end of the term	enjoyed by HPDC, its some terms for which said entirely as the same	e applications in my/our name for Letters successors, assigns, nominees or legal repr d Letters Patent respectively may be granto would have been held and enjoyed by n	esentatives, to
that I/we have not exec covenant and agree that deliver all such papers improvement(s), said ap- legal representatives, a respecting said invention legal proceedings, to si C-I-P's, reissue and fore everything possible to a and enforce, for its or the	cuted and will not execute I/we will, each time a as may be necessary plication and said Lette (plication and said Lette (plication and said Lette (plication and lower (s), ign all lawful papers, to mail ign applications, to mail aid HPDC, its successor pair own benefit, proper is provided the expense.	full right to convey the entire interest herein to the any agreement in conflict herewith, and request is made, and without undue delay or desirable to perfect the title to said it is Patent, to HPDC, its successors, assigns municate to HPDC, or to its nominee, all said application and said Letters Patent, to o execute all disclaimers and divisionals, the all rightful oaths and declarations, and gra, assigns, nominees and legal representation patent protection for said invention(s) or in ses which may be incurred by me/us in	Id I/we further  I/, execute and  Invention(s) or  I/, nominees or  I// known facts  I// testify in any  continuations,  penerally to do  investo obtain
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said application now ide	entified by the attorney	lys of record to insert the serial number and docket number and title set forth above as the United States Patent and Trademark Offi	s soon as the
IN WITNESS WHERE	EOF, I/we hereunto set r	my/our hand(s) and seal(s):	
	Det	te Assignment Signed:	
nventor's Signature (Seal)			
nventor's Typed Name: Micha	el T. Roeder	Date Application Signed:	
State of	)		
County of	) 58.: )		
Before me this day personally known or proved to instrument of assignment to be	o me on the basis of satisfa	sonally appeared <u>Michael T. Roeder</u> actory evidence to be the person who acknowledge	who is do the foregoing
		Notary Public	
		My commission expires:	

Page 1 of 2

Rev 05/03 (Assign)

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

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## ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I/V	ve hereunto set my/	our hand(s) and sea	ıl(s):	
Inventor's Signature (Seed)	 D	ete Assignment Signed:	8/13/0	<b>3</b>
Inventor's Signature (Seel)		<u> </u>	- 1 - 1 - 1 - 1	_
Inventor's Typed Name: John W. I	Flick	Date Applica	ation Signed:	8/13/03
State of	<b>)</b>			
County of	} ss.: ]			
Before me this day of _	, pt	ersonally appeared	ohn W. Flick	who
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			Notery Public My commission	n expires:
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