FORM PTO-1595 1-31-92	08-04-20	OO NAMENIN IEET	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office		
MRD 7/3/60		HH 10101 HH 1401	Attorney Docket No. 10001827-1		
1. Name of conveying party(ies): Shawn Kenneth Walker Dean A. Mulla Donald Charles Soltis Jr. Terry L. Lyon	10142288	Attorney Bocket No			
Additional name(s) of conveying party(ies) at	tachedYes _X_No	Additional name(s) &	address(es) attached?YesX No		
3. Nature of Conveyance:					
X Assignment	Merger	Change of Name			
Security Agreement	Other				
Execution Date(s): Respectively: 5/	26/2000, 5/9/2000,	5/24/2000, 5/24/2	000		
4. Application number(s) or patent r	number(s):				
If this document is being filed toget	ther with a new appli	cation, execution o	late of the application is:		
A. Patent Application No.(s)	tent Application No.(s) B. Patent No.(s)				
Serial No.: 09/507,208 Date Filed:	: 2/18/2000				
	Additional numb	ers attached? NO	_		
5. Name and address of party to whom correspondence concerning document should be mailed:		6. Total number of applications and patents involved: 1			
Records Manager HEWLETT-PACKARD COMPA Legal Department M/S 79 3404 E. Harmony Road Fort Collins, CO 80528-959	ANY	7. Total Fee (37 CFR 3.41): \$40.00 Enclosed X Authorization to be charged to deposit account. 8. Deposit Account Number: 08-2025			
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PATENT REEL: 010962 FRAME: 0913

PATENT APPLICATION

ATTORNEY DOCKET NO. 10001827-1

HEWLETT-PACKARD COMPANY Intellectual Property Administration P. O. Box 272400 Fort Collins, Colorado 80528-9599

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD COMPANY, a Delaware corporation having its principal place of business in Palo Alto, California, (hereinafter HP), in furtherance of my/our obligations to HP, and do hereby assign and transfer to HP, 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:

application	for Letters Patent of the	he United States er	ntitled:	ng the nght of	priority, iii, t	o and under an
Masking E	rror Detection/Correction	on Latency In Multi	level Cache T	ransfers		
Filing date	e: 2/18/00		Serial No.:	09/507,20	8	
continuation Letters Pa	invention(s) and im ons-in-part (C-I-P's), di tent, and any and all L ranted thereon or there	visionals, and rene etters Patent of th	ewals of and e United Stat	l substitutes fites and of cou	for said applic Intries foreign	cation for said thereto which
be held an term or te	ndditionally authorize He id enjoyed by HP, its su rms for which said Lett is the same would have e;	ccessors, assigns, ers Patent respecti	nominees or vely may be	legal represen granted, reissu	tatives, to the led or extende	full end of the ed, as fully and
that I/we covenant deliver all improvement invention(sto sign al foreign apaid HP, its own bene	/we hereby covenant the have not executed and agree that I/we wis such papers as may ent(s), said application entives, and I/we agree the solor improvement(s), said I lawful papers, to exemplications, to make all resuccessors, assigns, refit, proper patent prothe expenses which may	d will not execute ill, each time a rec be necessary or and said Letters Pa c communicate to aid application and ecute all disclaime ightful oaths and cominees and legal ection for said inv	any agreement is mad desirable to atent, to HP, HP, or to its said Letters and diviside clarations, representations, or	ent in conflict e, and withou perfect the its successors nominee, all Patent, to test onals, continu and generally ves to obtain improvement	therewith, and undue delay title to said and and and and and and and and and an	nd I/we further y, execute and invention(s) or minees or legal respecting said al proceedings, s, reissue and ing possible to for its or their d all countries
States and patents or and all Le United Sta	I/we hereby authorized any official of any con applications as aforesiters Patent for said intest which may be issued arms of this assignment	untry or countries aid, to issue to HP vention(s) or impro ed and granted on o	foreign to the , as assigned evement(s), in	e United State of the entire notuding any a	es whose dut right, title an and all Letters	y it is to issue d interest, any Patent of the
application	further authorize and now identified by the been made known to th	attorney docket r	number and t	itle set forth	above as soo	
IN WI	ENESS WHEREOF, I/we					
Ma		Date /	Assignment Sign	ed: 05/2	16/2000	
	gnature (Seal)		Data Amalia	cation Signed:	2/17/200	00
· · · · ·	rped Name: Shawn Kenneth	walker	Date Applic	ation Signed:	2/11/200	
	Colorado) ss.:				
County of I	_)				
Before personally kn	me this 2011, day of 1110 on the	24) 22000 , perso basis of satisfactory ev	nally appeared idence to be the	Shawn Kennet person who ackr	h Walker nowledged the fo	who is regoing instrument
of assignmen	it to be his/her free act and de	eed.		<u> La</u> Notary	nola (), Ou	nningham

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

PATENT^{ge 1 of 2}

My corMy Commission Expires Nev. 5, 2003

REEL: 010962 FRAME: 0914

Fort Collins, Colorado 80528-9599

P. O. Box 272400

PATENT APPLICATION

ATTORNEY DOCKET NO. 10001827-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I we hereunto set my/our hand(s) and seal(s):	
Date Assignment Signed:	19/00
Inventor's Signature (Seal)	
Inventor's Signature (Seal) Inventor's Typed Name: Dean A. Mulla Date Application Signature	gned: 5/9/00
State of Goldrade California	
County of Larimer Santa Clara)	
Before me this 9th day of 7000, personally appeared Dean appeared before me this 9th day of personally known or proved to me on the basis of satisfactory evidence to be the person of t	A. Mulla who is- who acknowledged the foregoing instrument
CANDACE BRAZNER-MOREHEAD Commission #1190998 Notary Public - California Santa Clara County My Comm. Expires Jul 25, 2002 Date Assignment Signed:	Andar Bizne. Merchen Notary Public My commission expires: July 25, 2002
inventor's signature (seal)	•
Inventor's Typed Name: Donald Charles Soltis Jr. Date Application Sig	ned: 2/18/2000
State of Colorado)	
) ss.: County of Larimer)	
Before :ne this 7444 day of Mar 2000 , personally appeared <u>Donald</u> personally known or proved to me on the basis of satisfactory evidence to be the person of assignment to be his/her free act and deed.	who acknowledged the foregoing instrument
	Linda C. Cunningham
	My commission expires:
	My Commission Expires Nov. 5, 2003
Date Assignment Signed:	5/24/00
Torry Liven	ned: 2/18/2000
Inventor's Typed Name: Terry L Lyon Date Application Sig	ned: 2710 2000
State of Colorade) ss.:	
County of Larimer)	
Before me this 244 day of <u>May 2000</u> , personally appeared <u>Terry</u> personally known or proved to me on the basis of satisfactory evidence to be the person of assignment to be his/her free act and deed.	L Lyon who is who acknowledged the foregoing instrument Sinda C. Cunningham
	My commission Expires Nov. 5, 2003

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

Page 2 of 2

Rev 11/99 (Assign)

PATENT REEL: 010962 FRAME: 0915