FORM PTO-1595			U.S. DEPARTMENT OF COMMERCE
1-31-92		HEET	Patent and Trademark Office
	10142213		Attorney Docket No. 10980972-1
1. Name of conveying party(ies):		-	ess of receiving party(ies):
David A. Dunn	: :::111:52	HEWLETT-PACKARD COMPANY Intellectual Property Administration	
	γ α <del>σ</del> , , , , , , , , , , , , , , , , , , ,	P.O. Box 27240 Fort Collins, Co	00 Iorado 80528-9599
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Additional name(s) of conveying party(ies) a	ttachedYes X No	Additional name(s) & a	ddress(es) attached?Yes _X No
3. Nature of Conveyance:		·	
X Assignment	Merger	_	_ Change of Name
Security Agreement	Other		
Execution Date(s): Dec. 22, 1999 a	and June 7, 2000		
4. Application number(s) or patent	number(s):		
If this document is being filed toge	ther with a new appli		te of the application is: N/A
A. Patent Application No.(s)		B. Patent No.(s)	
Serial No.: 09/500,518 Date Filed	l: Feb. 9, 2000	N/A	
		ers attached? NO	
5. Name and address of party to whom correspondence concerning document should be mailed:			applications and patents involved: 1
Records Manager		7. Total Fee (37 CF	R 3.41): \$40.00
HEWLETT-PACKARD COMP	ANY	Enclosed	
Hope Romero, M/S 44L18 19111 Pruneridge Avenue Cupertino, CA 95014		X Authoriz	ation to be charged to deposit account.
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01 FC:581 40.00 CH Hope Romero	1 Signature	meio_	Jun 23, 2000 Date
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PATENT REEL: 010957 FRAME: 0084

ATTORNEY DOCKET NO. 10980972-1

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:

an application for Letters Patent of the United	
MECHANISM FOR SOFTWARE REGISTER REN	AMING AND LOAD SPECULATION IN AN OPTIMIZER
Filing date:	Serial No.:
continuations-in-part (C-I-P's), divisionals, and Letters Patent, and any and all Letters Patent of	set forth therein, and any and all continuations, renewals of and substitutes for said application for said of the United States and of countries foreign thereto which reissues, or reexaminations, or extensions of said Letters
be held and enjoyed by HP, its successors, as the term or terms for which said Letters Pate	ations in my/our name for Letters Patent in any country, to signs, nominees or legal representatives, to the full end of ent respectively may be granted, reissued or extended, as seen held and enjoyed by me/us had this assignment, and
that I/we have not executed and will not executed and agree that I/we will, each time deliver all such papers as may be necessary improvement(s), said application and said Let legal representatives, and I/we agree to co respecting said invention(s) or improvement(s) legal proceedings, to sign all lawful papers, C-I-P's, reissue and foreign applications, to me everything possible to aid HP, its successors, reference for its or their own happfit proper parts.	full right to convey the entire interest herein assigned, and cute any agreement in conflict herewith, and I/we further a request is made, and without undue delay, execute and or desirable to perfect the title to said invention(s) or sters Patent, to HP, its successors, assigns, nominees or immunicate to HP, or to its nominee, all known facts and application and said Letters Patent, to testify in any to execute all disclaimers and divisionals, continuations, aske all rightful oaths and declarations, and generally to do assigns, nominees and legal representatives to obtain and atent protection for said invention(s) or improvement(s) in es which may be incurred by me/us in lending such
States and any official of any country or coun patents on applications as aforesaid, to issue to	ne Commissioner of Patents and Trademarks of the United stries foreign to the United States whose duty it is to issue to HP, as assignee of the entire right, title and interest, any improvement(s), including any and all Letters Patent of the anted on or as a result of the application aforesaid, in
I/we further authorize and direct HP att application now identified by the attorney doc shall have been made known to them by the L	orneys to insert the serial number and filing date of said ket number and title set forth above as soon as the same Inited States Patent and Trademark Office.
IN WITNESS WHEREOF, I/we hereunto se	Date Assignment Signed:
Inventor's Typed Name: Rupert Brauch	Date Application Signed: 12/22/79
State of California	
County of Santa Clara)	
instrument of assignment to be his her free act and deed	and do to the second se

My Comm. Expires Jul 25, 2002

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

PATENT Page 1 of 2

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## PATENT APPLICATION

ATTORNEY DOCKET NO. 10980972-1

## **ASSIGNMENT OF PATENT APPLICATION (cont.)**

	Data Assissment Sirendi Ting 7 2000	
nventor's Signature (Seal)	Date Assignment Signed: Tune 7, 2000	
nventor's Typed Name: David A. Dun	Date Application Signed: Jine 7,2000	
State of CALIFORN IN	) ) ss.:	
County of SANTA CIARA	)	
Before me this 7th day of _T personally known or proved to me o instrument of assignment to be his/he	m. 7 coc personally appeared David A. Dunn  n the basis of satisfactory evidence to be the person who acknowledged the free act and deed.	
	HOPE ROMERO Comm. No. 1246363 NOTARY PUBLIC - CALIFORNIA SANTA CLARA COUNTY My Commission Expires December 20, 2003	2-03
	Date Assignment Signed:	<del></del>
Inventor's Signature (Seal)		
Inventor's Typed Name:	Date Application Signed:	
State of		
County of	) ss.: )	
County of	normanally appeared	who is
Before me this day of personally known or proved to me instrument of assignment to be his/he	, personally appeared, personally appeared, notes to be the person who acknowledged the free act and deed.	foregoing
	Notary Public	
•	Notary Public  My commission expires:	
•	My commission expires:	
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Inventor's Signature (Seal)	My commission expires:  Date Assignment Signed:	
Inventor's Signature (Seal) Inventor's Typed Name:	My commission expires:	
	Date Assignment Signed:  Date Application Signed:	
Inventor's Typed Name:State of	Date Assignment Signed:  Date Application Signed:  ) ss.:	
Inventor's Typed Name:State of	Date Assignment Signed:  Date Application Signed:  ) ss.:	who is
Inventor's Typed Name:State of	Date Assignment Signed:  Date Application Signed:  Date Application Signed:  , personally appeared  on the basis of satisfactory evidence to be the person who acknowledged the	who is

Page 2 of

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