DRM PTO-1595 11 - 07 - 2000		U.S. DEPARTMENT OF COMMERCE			
1-31-92	1880 101 101 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100		Patent and Trademark Office		
			Attorney Docket No. 10971067-1		
Name of conveying party(ies):	10150	7790	dress of receiving party(ies):		
Paul Lum		AGILENT T	ECHNOLOGIES		
Michael Greenstein		Legal Department, 51U-PD			
Edward Dennis Verdonk		Intellectual P.O. Box 5	Property Administration		
Tad Decatur Simons			a, California 95052-8043		
Dominique Freeman					
Ganapati Ramnath Mauze					
l (\ x.)				
Additional name(s) of conveying party(ies) attached	ed _^_YesNo	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): March 22, 24 and 2	25, 1999				
4. Application number(s) or patent num	ber(s):	and the second second			
If this document is being filed together	with a new applica	ation, execution	date of the application is:		
A. Patent Application No.(s)		B. Patent No.(s)		
Serial No.: 09/289,884 Date Filed: A	pril 9, 1999				
	Additional numbers	attached? NO	; -		
Name and address of party to whom correspondence concerning document should be mailed:		6. Total numbe	or of applications and patents involved: 1		
Records Manager		7. Total Fee (37 CFR 3.41): \$40.00			
AGILENT TECHNOLOGIES		Enclosed			
Legal Department, M/S 17L-5A 1601 California Avenue		Enclosed			
Palo Alto, CA 94304-1111		X Authorization to be charged to deposit account.			
		8. Deposit Acc	ount Number:50-1078		
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	f, the foregoing inf	formation is true	and correct and any attached copy is a true		
Leonor S. Tuck	Leonas)	S. Tuck	Oct 18, 2000		
Name of Person Signing	Signature	7	Date		
Total numb	er of pages including	cover sheet, atta	chments, and document:6		
OMB No. 0651-0011 (exp. 4/94)					
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PATENT Page 1/2 REEL: 011202 FRAME: 0380 Rev 10/00 (Recdasgn)

FORM PTO-1595	U.S. DEPARTMENT OF COMMERCE		
1-31-92 RECORDATION FOR			
PATENTS C	ONLY Attorney Docket No. 10971067-1		
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):		
David King	AGILENT TECHNOLOGIES		
Jerry Zawadzki	Legal Department, 51U-PD Intellectual Property Administration P.O. Box 58043		
	Santa Clara, California 95052-8043		
Additional name(s) of conveying party(ies) attachedYes X_No	Additional name(s) & address(es) attached? Yes X_No		
3. Nature of Conveyance:			
X Assignment Merger	Char ge of Name		
Security Agreement Other			
	OCT 2 6 2000 [/]		
Execution Date(s): March 24 and 25, 1999			
4. Application number(s) or patent number(s):			
If this document is being filed together with a new applic	eation, execution date of the application is:		
A. Patent Application No.(s)	B. Patent No.(s)		
Serial No.: 09/289,884 Date Filed: April 4, 1999			
Additional number	s 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:	7. Total Fee (37 CFR 3.41): \$40.00		
Records Manager AGILENT TECHNOLOGIES			
Legal Department, M/S 17L-5A	Enclosed		
1601 California Avenue Palo Alto, CA 94304-1111	X Authorization to be charged to deposit account.		
	8. Deposit Account Number: 50-1078		
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9. Statement and signature.			
<u> </u>	formation is true and correct and any attached copy is a true		
copy of the original document.			
Leonor S. Tuck	8. Tuch Oct 18, 2000		
Name of Person Signing Signature	Date		
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PATENT Page 2/2
REEL: 011202 FRAME: 0381

Palo Alto, California 94303-0890

P. O. Box 10301

PATENT APPLICATION

ATTORNEY DOCKET NO. 10971067-1

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 States entitled: APPARATUS AND METHOD FOR MINIMIZING PAIN PERCEPTION April 9, 1999 Serial No.: ____ 09/289.884 Filing date:___ and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters Patent. I/we additionally authorize HP to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by HP, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or 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 that 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 deliver 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 HP, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HP, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal 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 do everything possible to aid HP, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HP; 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 patents on applications as aforesaid, to issue to HP, 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 State: 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 HP attorneys 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. Date Assignment Signed: 94 MARIE 22 Inventor's Signature (Seal) 14 well 22 Inventor's Typed Name: Paul Luni Date Application Signed: State of **California**) ss.: County of Santa Clara Before me this $\frac{22}{3}$ day of March 1999 _, personally appeared Paul Lum personally known or proved to me on the re-evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free TERRY FLORES Commission # 1198138 Notary Public - Colliertie Notary Public My commission expires: Santa Clara County 10-10-02 My Comm. Expline Oct 16, 2002

PATENT 1 of 4

REEL: 011202 FRAME: 0382

ATTORNEY DOCKET NO. 10971067-1

HEWLETT-PACKARD COMPANY Legal Department, 20BN P. O. Box 10301 Palo Alto, California 94303-0890

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I we here	unto set my/our hand(s) and seal(s):	
Michael Den	Date Assignment Signed:	3/22/99
Inventor's Signature (Seal)		7/22/00
Inventor's Typed Name: Michael Gre	enstein Date Application S	Signed: 3/66/79
State of California))ss.:	
County of Santa Clara)	
personally known or proved to me on th	1999 , personally appeared Mich e basis of satisfactory evidence to be the part of the par	
instrument of assignment to be his/her free	TERRY FLORES Commission # 1198133 Notary Public - California Sonta Clara County My Communicipires Oct 10, 2002	Notable Public My commission expires: 1()-10-02
Edward Dennis Ver	donk Date Assignment Signed:	3/25/99
Inventor's Typed Name: <u>Edward Denn</u>	is Verdonk Date Application S	Signed: 3/25/99
State of California) ss.:	
County of Santa Clara Before me this 25 day of March	1 1999 , personally appeared Edward	Dennis Verdonk who is
personally known or proved to me on th instrument of assignment to be his/her free	ie basis of satisfactory evidence to be the p	Notary Public My commission expires: 10-10-0-2
Tail Decata 3mm nventor's Signature (Seal)	Date Assignment Signed:	3/22/99
nventor's Typed Name: Tad Decatur	Simons Date Application S	Signed: $3/22/99$
State of California)	·
County of Santa Clara) ss.:)	
Before me this 22 day of March	personally appeared Tad December of satisfactory evidence to be the pact and deed. TERRY FLORES Commission # 1198133 Notory Public - California Sonta Clara County My Comm. Expires Oct 10, 2002	

(Use Page Three F $\,$ r Additional Inventor(s) Signature(s))

Page 2 of 4

ATTORNEY DOCKET NO.

10971067-1

HEWLETT-PACKARD COMPANY Legal Department, 20BN P. O. Box 10301 Palo Alto, California 94303-0890

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I we hereunto set	
Inventor's Signature (Seal)	Date Assignment Signed: March 15 1499
Inventor's Typed Name: Dominique Freeman	Date Application Signed:
State of California	
County of Santa Clara) ss.:	
Before me this <u>35</u> day of <u>Murch</u> /9 personally known or proved to me on the basis of instrument of assignment to be his/her free act and de	personally appeared Dominique Freeman who is f satisfactory evidence to be the person who acknowledged the foregoing ead. TERRY FLORES Commission # 1198133 Notary Public - California Santa Clara County My Comm. Expires Oct 10, 2002
Garabati Ramnath Manze. Inventor's Signature (Seal)	
Inventor's Typed Name: Ganapati Ramnath	Mauze Date Application Signed: 3/22/99
State of California) ss.:	
County of Santa Clara	
	my commission expires: 10-10-02 Ganapati Ramnath Mauze who is f satisfactory evidence to be the person who acknowledged the foregoing terms from 1158138 Notary Public Collients Sortic Clore County My Commission expires: 10-10-02
DAKE	Date Assignment Signed: 3/25/99
Inventor's Signature (Seal)	Date Application Signed: 3/25/99
Inventor's Typed Name: <u>David King</u> State of California	Date Application Signed: 3/23/99
) ss.:	
nstrument of assignment to be his/her free act and de	satisfactory evidence to be the person who acknowledged the foregoing

Page 3 of 4

Rev 11/98 (Assign2)

When recorded please return to:
HEWLETT-PACKARD COMPANY
Legal Department, 20BN
P. O. Box 10301
Palo Alto, California 94303-0890

PATENT APPLICATION

ATTORNEY DOCKET NO. 10971067-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I we	hereunto set m	y/our hand(s) and seal(s	s):		
Inventor & Signature (Seal)	ĥ.	Date Assignment Signe	d:3/24/9	9	
	awadzki	Date Application Signed: 3/24/99			
State of California)				
County of Santa Clara) ss.:) March 1999	percenally appeared	Jerry Zawad	zki who is	
Before me this 24 day ofpersonally known or proved to me instrument of assignment to be his/he			the person who	acknowledged the foregoing	
		TERRY FLORES Commission # 1198133 Notary Public - Coffamile Santa Clara County Wy Comm. Expires Oct 10, 200		n expres: 10-10-02	
Inventor's Signature (Seal)		Date Assignment Signed	d:		
Inventor's Typed Name:		Date Applicat	tion Signed:		
)				
State of) ss.:				
County of)				
Before me this day of personally known or proved to me instrument of assignment to be his/he	on the basis of sa	atisfactory evidence to be t	the person who	who is acknowledged the foregoing	
			Notary Public My commission	n expires:	
Inventor's Signature (Seal)		Date Assignment Signed	1:		
Inventor's Typed Name:		Date Applicati	ion Signed:		
State of) } ss.:				
County of)				
Before me this day of		, personally appeared		who is	
personally known or proved to me instrument of assignment to be his/he	on the basis of sa	itisfactory evidence to be t	he person who a	icknowledged the foregoing	
			Notary Public My commission	ı expires:	

Page 4 of 4

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

Rev 11/98 (Assign2)

PATENT REEL: 011202 FRAME: 0385