FORM PTC-1595 1-31-92 1. Name of conveying party(ies):

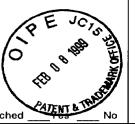
02-18-1999

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

Attorney Docket No. 10970154-1

100967705

Mark M. Butterworth



2. Name and address of receiving party(ies):

HEWLETT-PACKARD COMPANY Legal Department, M/S 20BN 3000 Hanover Street Palo Alto, CA 94304

Additional name(s) of conveying party(ies) attached 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 25, 1998						
4. Application number(s) or patent number(s):						
If this document is being filed together with a new application	cation, execution date of the application is:					
A. Patent Application No.(s)	B. Patent No.(s)					
Serial No.: 09/139,904 Date Filed: 08/25/98						
Additional number	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:					
Records Manager HEWLETT-PACKARD COMPANY	7. Total Fee (37 CFR 3.41): \$40.00					
1501 Page Mill Road, M/S 4U-10	Enclosed					
Palo Alto, CA 94304-1126	X Authorization to be charged to deposit account.					
2/16/1999 SBURNS 00000100 082025 09139904	S. Denesit Assessed Numbers 02 2005					
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To the best of my knowledge and belief, the foregoing in true copy of the original document.	formation is true and correct and any attached copy is a					
Leonor S. Tuck	Tuck Jan 25, 1999					
Name of Person Signing Signature	Date					
Total number of pages including cover sheet, attachments, and document: 2						
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Box Assignment Washington, D.C. 20231

> **PATENT REEL: 9755 FRAME: 0617**

Palo Alto, California 94303-0890

PATENT APPLICATION

ATTORNEY DOCKET NO. 10970154-1

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:

and the invention(s) and improvement(s) set forth therein, and any and all continuation continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto w may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Let Patent. I/we additionally authorize HP to file applications in my/our name for Letters Patent in any country be held and enjoyed by HP, its successors, assigns, nominees or legal representatives, to the full en the term or terms for which said Letters Patent respectively may be granted, reissued or extended fully and entirely as the same would have been held and enjoyed by me/us had this assignment, transfer not been made; AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, that I/we have not executed and will not execute any agreement in conflict herewith, and I/we fur covenant and agree that I/we will, each time a request is made, and without undue delay, execute deliver all such papers as may be necessary or desirable to perfect the title to said inventions improvement(s), said application and said Letters Patent, to HP, its successors, assigns, nominee legal representatives, and I/we agree to communicate to HP, or to its nominee, all known facts respectively in any the proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-reissue and foreign applications, to make all rightful oaths and declarations, and generally to everything possible to aid HP, its successors, assigns, nominees and legal representatives to obtain enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(any and all countries provided the expenses which may be incurred by me/us in lending such coopers and assistance are paid by HP; AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of t	Filing date:_	August 25, 1998		Serial No.: _	09/139,904		
be held and enjoyed by HP, its successors, assigns, nominees or legal representatives, to the full en the term or terms for which said Letters Patent respectively may be granted, reissued or extended fully and entirely as the same would have been held and enjoyed by me/us had this assignment, transfer not been made; AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, that I/we have not executed and will not execute any agreement in conflict herewith, and I/we fur covenant and agree that I/we will, each time a request is made, and without undue delay, execute deliver all such papers as may be necessary or desirable to perfect the title to said invention's improvement(s), said application and said Letters Patent, to HP, its successors, assigns, nominee legal representatives, and I/we agree to communicate to HP, or to its nominee, all known facts respect said invention(s) or improvement(s), said application and said Letters Patent, to testify in any I proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-reissue and foreign applications, to make all rightful oaths and declarations, and generally to everything possible to aid HP, its successors, assigns, nominees and legal representatives to obtain enforce, for its or their own benefit, proper patent protection for said invention(s) or improvements any and all countries provided the expenses which may be incurred by me/us in lending such coopers and assistance are paid by HP; AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the Ur states and any official of any country or countries foreign to the United States whose duty it is to is patents on applications as aforesaid, to issue to HP, as assignee of the entire right, title and interest, and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the application now identified by the attorney docket number and title set forth above as soon as	and the ir continuation Letters Pater may be gran	s-in-part (C-I-P's), divising and any and all Lette	onals, and rene rs Patent of the	forth therein wals of and so United States	, and any ubstitutes for and of counti	said application ries foreign thereto	for said o which
that I/we have not executed and will not execute any agreement in conflict herewith, and I/we fur covenant and agree that I/we will, each time a request is made, and without undue delay, execute deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) improvement(s), said application and said Letters Patent, to HP, its successors, assigns, nominee legal representatives, and I/we agree to communicate to HP, or to its nominee, all known facts respectively and invention(s) or improvement(s), said application and said Letters Patent, to testify in any I proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-reissue and foreign applications, to make all rightful oaths and declarations, and generally to everything possible to aid HP, its successors, assigns, nominees and legal representatives to obtain enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s any and all countries provided the expenses which may be incurred by me/us in lending such cooperation assistance are paid by HP; AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the Ur States and any official of any country or countries foreign to the United States whose duty it is to is patents on applications as aforesaid, to issue to HP, as assignee of the entire right, title and interest, and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of United States which may be issued and granted on or as a result of the application aforesaid accordance with the terms of this assignment. I/we further authorize and direct HP attorneys to insert the serial number and filing date of application now identified by the attorney docket number and title set forth above as soon as the shall have been made known to them by the United States Patent and Trademark Office. Date Application Signed: Date Application Signed: Date Application Signed:	be held and the term or fully and en	enjoyed by HP, its succ terms for which said Le tirely as the same would	essors, assigns etters Patent re	, nominees or I spectively may	egal represen be granted,	tatives, to the full reissued or exten	l end of ded, as
States and any official of any country or countries foreign to the United States whose duty it is to is patents on applications as aforesaid, to issue to HP, as assignee of the entire right, title and interest, and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of United States which may be issued and granted on or as a result of the application aforesaid accordance with the terms of this assignment. I/we further authorize and direct HP attorneys to insert the serial number and filling date of application now identified by the attorney docket number and title set forth above as soon as the s shall have been made known to them by the United States Patent and Trademark Office. Date Assignment Signed: Date Application Signed: Date Application Signed:	that I/we hat covenant and deliver all simprovement legal represestation invention proceedings, reissue and everything penforce, for any and all coverant and a	we not executed and wild agree that I/we will, of uch papers as may be t(s), said application an entatives, and I/we agree on(s) or improvement(s), to sign all lawful paper foreign applications, to sign all HP, its suits or their own benefit countries provided the expense.	Il not execute ach time a requessary or a said Letters to communicate, said applicates, to execute a make all rigocessors, assign proper patent	any agreement uest is made, a desirable to perparent, to HP, or to it ion and said Lall disclaimers and notices a protection for	in conflict he and without userfect the title its successons nominee, a setters Patent and divisional declaration and legal repression invention	erewith, and I/we andue delay, exect to said inventions, assigns, nominal all known facts rest, to testify in arts, as, continuations, as, and generally esentatives to obtan(s) or improvement	further ute and on(s) or nees or specting legal C-I-P's, to do tain and ent(s) in
application now identified by the attorney docket number and title set forth above as soon as the signal have been made known to them by the United States Patent and Trademark Office. Date Assignment Signed: Date Application Signed: State of California)) ss.:	States and a patents on a and all Lette United State	any official of any countr applications as aforesaid, ars Patent for said invent as which may be issue	y or countries to issue to HP ion(s) or impro d and granted	foreign to the l , as assignee of vement(s), incl	Jnited States f the entire rig uding any and	whose duty it is a ght, title and intere I all Letters Paten	to issue est, any t of the
Inventor's Stanature (Seal) Inventor's Typed Name: Mark M. Butterworth Date Application Signed: 5/25/58 State of California) ss.:	application r	now identified by the att	orney docket n	umber and title	set forth abo	ove as soon as th	of said ne same
Inventor's Typed Name: Mark M. Butterworth Date Application Signed: 5/25/58 State of California) ss.:	Inventor's Sten	ature (Seal)	Dat		, ,		
State of California)) ss.;				Date Applic	ation Signed:	8/25/58	
	State of Calif						
	County of San		55				
Before me this day of August, 1998, personally appeared Mark M. Butterworth we personally known or preved to me on the basis of satisfactory evidence to be the person who acknowledged the foreign instrument of assignment to be his/her free act and deed.				lly appeared Nry evidence to be	the person wh	orth o acknowledged the	who is foregoing

Commission # 1162084 Votary Public - California Santa Clara County

Rev 04/98 (Assign)

RECORDED: 02/08/1999

REEL: 9755 FRAME: 0618

My commission expires: Dec. 16, 2001