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BECORDA	U.S. DEPARTMENT OF COMME
	Patent and Trademark O
1. Name of conveying party(ies):	Attorney Docket No. 10016253-1
	Name and address of receiving party(ies):
Roselle Fernandez	HEWLETT-PACKARD DEVELOPMENT
Robert Andrew Phillips	
Alberto Bellotti	Houston, TX 77070
Janet Gryck	
Ingrid M. Holzer	
Additional name(s) of conveying party(ies) attached Ye	
3. Nature of Conveyance;	is X No Additional name(s) & address(es) attached? Yes X No
X Assignment	
	Merger Change of Name
Security Agreement	Other
Execution Date(s): 6/20/03, 6/17/03, 6/16/03, (R/28/00 - 010 - 01
 Application number(s) or patent number(s); 	6/28/03, 6/21/03, 6/17/03 respectively
a trib abcument is being filed together with a ne	ew application, execution date of the application is:
A. Patent Application No.(s)	
pplication No.: 10/614,396 Deto 5	B. Patent No.(s)
	iled: July 7, 2003
onfirmation No.: 5944 Additiona	al numbers attached? _NO_
Name and address of party to whom correspon	ndence 6. Total number of applications and patents involved: 1
Records Manager	applications and patents involved: 1
Intellectual Property Administrative	7. Total Fee (37 CFR 3.41): \$40.00
HEWLETT-PACKARD COMPANY P.O. Box 272400	Enclosed
Fort Collins, Colorado 80527-2400	
	X Authorization to be charged to deposit account,
	8. Deposit Account Number: 08-2025
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Statement and signature.	
the best of my knowledge and belief the fact	
e copy of the original document.	oing information is true and correct and any attached copy is a
Maria Golnick	
ame of Person Signing	a Joenick _ Oct 15, 2003
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l otal number of pages B No. 0651-0011 (exp. 4/94)	Date including cover sheet, attachments, and document: 8
document to be recorded with a	letach this portion
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PATENT APPLICATION

HEWLETT-PACKARD COMPANY
Intellectual Property Administrator
P. O. Box 272400
Fort Collins, Colorado 80527-2400

ATTORNEY DOCKET NO. 10016253-1

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 entitled:

METHOD AND SYSTEM FOR MAINTAINING A MODULE TYPE DEFINITION TABLE

Filing date: 7-7-03

Application No.: <u>10/614396</u>

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

I/we additionally authorize HPDC to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by HPDC, 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 HPDC, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPDC, 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 caths and declarations, and generally to do everything possible to aid HPDC, 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 HPDC;

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 HPDC, 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 States 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 the attorneys of record 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.

IN WITNESS WHEREAR THUS FOR THE			
IN WITNESS WHEREOF, I/we hereunto set my/or	/	2003	-
Inventor's Typed Name: Lin Yan	Date Application Signed:	6-20-03	
State of new Jerry) ss.:			-
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Before me this 20 day of <u>Reme 2003</u> , personally personally known or proved to mellon the basis of selectorian	(BD/28 Stod L / M		
personally known or proved to me on the basis of satisfactory instrument of assignment to be his/her free act and deed.	evidence to be the person who a	cknowledged the f	_ who is 💭
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Fort Collina, Colorado 80527	-2400		0010253-1
	ASSIGNMENT OF PATENT A	PPLICATION (cont.)	
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Inventor's Typed Name: Rosal	le Fernandez	· · · · · · · · · · · · · · · · · · ·	
State of Colorado	Date	Application Signed: 6-17-03	· · · · · · · · · · · · · · · · · · ·
County of Larimer))ss.:		
)		
Before me this <u>77</u> day	of <u>June 2003</u> , personally appeared o me on the basis of satisfactory evidence		
instrument of assignment to be	of <u>JUNE 2005</u> , personally appeared o me on the basis of satisfactory evidence his/her free act and deed.	to be the person who acknowledge	who is
	they help and and deed.	M-1 1	the foregoing
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Inventor's Signature (Seal) Inventor's Typed Name <u>: Robert /</u>	Andrew Philling	My Commission Expires (пу, Celorado Лиу 5. 2004
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Inventor's Typed Name: Robert /	Andrew Philling	My Commission Expires (nty, Colorado Auy 5, 2004
Inventor's Typed Name: <u>Robert /</u> State of County of	Andrew Phillips Date Ap)) ss.:)	My Commission Expires a	лу, Colorado Лиу 5, 2004
Inventor's Typed Name <u>: Robert /</u> State of County of Before me this	Andrew Phillips Date Ap)) ss.:)	My Commission Expires a	ліу, Colorado Лиу ä. 2004
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Inventor's Typed Name <u>: Robert /</u> State of County of Before me this day of personally known or proved to instrument of assignment to be hi	Andrew Phillips Date Ap) ss.:) me on the basis of satisfactory evidence to s/her free act and deed.	Notary Public My Commission Expires for ned:	ліу, Colorado Лиу ä. 2004
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Inventor's Typed Name: Robert / State of County of Before me this day of personally known or proved to instrument of assignment to be hi Inventor's Signature (Seal) Inventor's Typed Name: Alberto Be State of	Andrew Phillips Date App) ss.:) personally appeared me on the basis of satisfactory evidence to s/her free act and deed. Date Assignment Signed	Notary Public My Commission Expires for ned:	лу, Colorado Лиу 5. 2004
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HEWLETT-PACKARD COM	PANY	PATENT APPLICATIO
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Fort Collins, Colorado 8052	27-2400	
	ASSIGNMENT OF PATENT	APPLICATION (cont.)
IN WITNESS WHEREO	F, I/we hereunto set my/our hand(s)	and sea)(s).
Inventor's Signature (Seal)	Date Assignmen	nt Signed:
Inventor's Typed Name: Ros e	elle Fernandez	
State of	De	ate Application Signed:
County of) as.:	
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personally known or proved	of, personally appea to me on the basis of satisfactory eviden	reci Roșelle Fernandez
instrument of assignment to b	e his/her free act and deed.	red <u>Rogelle Fernandez</u> , who is use to be the person who acknowledged the foregoing
		Notary Public
		My commission expires:
Inventor's Signature (Seel)	Millim Date Assignment	Signadi CIILIN3
Inventor's Signature (Seal)	Andrew Phillips	Signed: <u>6//6/03</u> Application Signed: 6//6/23
Inventor's Typed Name: Robert State of New Terrs	Andrew Phillips Date	Signed: <u>6/16/03</u> Application Signed: <u>6/16/03</u>
Inventor's Typed Name: Robert State of New Jers County of Middlesey	Andrew Phillips Date	Application Signed: <u>6/(6/03</u>
Inventor's Typed Name: Robert State of New Jers County of Middlesey Before me this 1/4 day	Andrew Phillips Date	Application Signed: <u>6/16/3</u>
Inventor's Typed Name: Robert State of New Jers County of Middlesey Before me this 1/4 day	Andrew Phillips Date	Application Signed: <u>6/16/03</u>
Inventor's Typed Name: Robert State of New Jers County of Middlesey Before me this 1/4 day	Andrew Phillips Date	Application Signed: <u>6/(6/03</u>
Inventor's Typed Name: Robert State of New Jers County of Middlesey Before me this 1/4 day	Andrew Phillips Date	Application Signed: 6/6/3
Inventor's Typed Name: Robert State of New Jers County of Middlesey Before me this 1/4 day	Andrew Phillips Date	Application Signed:6/_6/3
Inventor's Typed Name: Robert State of New Jers County of Middlesey Before me this 1/4 day	Andrew Phillips Date	Application Signed: 6/6/03 <u>Robert Andrew Phillips</u> who is to be the person who acknowledged the foregoing Notary Public My commission explicit RRI DUNFEE NOTARY PUBLIC OF NEW JERSEY
Inventor's Typed Name: Robert State of New Jers County of Middlesey Before me this 1/2 day	Andrew Phillips Date	Application Signed: 6/16/03 <u>Robert Andrew Phillips</u> who is to be the person who acknowledged the foregoing Notary Public Notary Public My commission exhift RRI DUNFEE
Inventor's Typed Name: Robert State of New Jers County of Middlescy Before me this 16 day of personally known or proved to instrument of assignment to be h	Andrew Phillips Date CV) () \$5.:) TUME, 2003, personally appeared me on the basis of satisfactory evidence bis/her free act and deed.	Application Signed:
Inventor's Typed Name: Robert State of NEW JEYS County of Middlescy Before me this 16 day of personally known or proved to instrument of assignment to be h	Andrew Phillips Date CV) () \$5.:) Date Assignment Signed Date Assignment Signed Date Assignment Signed	Application Signed:
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Inventor's Typed Name: Robert State of NEW JEY'S County of MiddleScy Before me this 16 day of personally known or proved to instrument of assignment to be h	Andrew Phillips Date CV) () \$s.: () Date Assignment Signeliotti Date Application () Date	Application Signed:
Inventor's Typed Name: Robert State of NEW JEYS County of Middlesty Before me this 16 day of personally known or proved to instrument of assignment to be h Inventor's Signature (Seal) Inventor's Typed Name: Alberto Be State of County of	Andrew Phillips Date CV) () \$s.:) 1 <u>TUMP</u> , 2003, personally appeared me on the basis of satisfactory evidence bis/her free act and deed. Date Assignment Sign pliottl Date App)) ss.:)	Application Signed:
Inventor's Typed Name: Robert State of NEW JEYS County of Middlesty Before me this 16 day of personally known or proved to instrument of assignment to be h Inventor's Signature (Seal) Inventor's Typed Name: Alberto Be State of County of Before me this	Andrew Phillips Date CV) () ss.:) Date Assignment Signed pliottl Date Assignment Signed) ss.:)	Application Signed:
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	LETT PACKARD LGL FCOLL	970 898 7247 P.06
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HEWLETT-PACKARD COMPANY Intellectual Property Administrati	on	PATENT APPLICATION
P. O. Box 272400 Fort Collins, Colorado 80527-240		ATTORNEY DOCKET NO. 10016253-1
	40010000000	
	ASSIGNMENT OF PATENT APP	LICATION (cont.)
IN WITNESS WHEREOF, I/v	ve hereunto set my/our hand(s) and	seal(s):
Inventor's Signature (Seal)	Date Assignment Sign	ned:
Inventor's Typed Name: Roselle Fe		
State of)	plication Signed:
County of) 55.:	
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personally known or proved to me	e on the basis of, personally appeared	Roselle Fernandez who is be the person who acknowledged the fernandez
instrument of assignment to be his/	her free act and dead.	Roselle Fernandez who is be the person who ecknowledged the foregoing
		-
		Notary Public
		My commission expires;
Inventor's Signature (Seal)		:
Inventor's Typed Name: Robert Andre	ew Phillips Date Appli	sation Signed:
State of)	
County of) 85.:)	
Before me this day of	4	
personally known or proved to me c instrument of assignment to be big/hor	on the basis of satisfactory evidence to be	Robert Andrew Phillips who is who is the person who acknowledged the foregoing
	ree act and deed.	acknowledged the foregoing
		Notary Public My commission expiree:
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That a		
Inventor Signature (Seal)	Date Assignment Signed:	6/28/2003
Inventor's Typed Name:_Alberto Bellotti		
State of N. 5	Date Applicati	ion Signed: 6-28-2003
-)) 55.:	
County of PASSAIL)	
Before me this 26 May of) U	the basis of satisfactory evidence to be the	
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		a contractive of the foregoing
		Notary Public Anno Anno
	· · · · · · ·	My commission expires: 7-5- 2005
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(Use Page	Three For Additional Inventoris Signature(s))	
Rev Ø5/03 (Assign)	Signature(\$)	PATENT REEL: 014052 FRAME: 0403
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1	to:	
HEWLETT-PACKARD COMPAN	NY	PATENT APPLICATION
Property Administra	ration	
P. O. Box 272400 Fort Collins, Colorado 80527-2	2400	ATTORNEY DOCKET NO. 10016253-1
	ASSIGNMENT OF THE	
	ASSIGNMENT OF PATENT A	PPLICATION (cont.)
IN WITNESS WHEREOF,	l we hereunto set my/our hand(s) a	
ignes &	A	nd seal(s);
- CONFX	12	nt Signed: 6-21-03
Inventor's Signature (Seal)	Date Assignment	nt Signed: $0 - \partial / - \partial 2$
Inventor's Typed Name: Janet G	DI YCK	Application Signed6-13-03
State of Now Jorse County of Somerson	∽∕ ı	<u> </u>
COUNTY of Som and	/) ss.:	
)	
Before me this day	of Aine	red <u>Janet Gryck</u> who is to be the Person who acknowledged the foregoing
personally known or proved to	me on the basis of satisfactory evidence	red Janet Gryck who is
ment of assignment to be h	his/her free act and deed.	to be the parson who acknowledged the foregoing
	MARION B. DUD	ASH
	TOTARY PUBLIC OF N	SAUG. 5, Set Motory Public SAUG. 5, Set My commission expires:
		SAUG. 8, HOLY ODIE
		2007 commission expires:
Inventor's Signature (Seal)	Date Assignment	Signed:
Inventor's Typed Name: Ingrid M.	Holog	
Inventor's Typed Name: Ingrid M.	Holog	
Inventor's Typed Name: Ingrid M. State of County of	Holzer Date Aş)) \$\$.:)	pplication, Signed
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Inventor's Typed Name: Ingrid M. State of County of Before me this day of personally known or proved to me instrument of assignment to be his/l	Holzer Date Ap)) 55.;) e on the basis of satisfactory evidence to her free act and deed,	Application Signed who is
Inventor's Typed Name: Ingrid M. State of County of Before me this day of personally known or proved to me instrument of assignment to be his/l	Holzer Date Ap)) 55.;) e on the basis of satisfactory evidence to her free act and deed,	Application Signed who is
Inventor's Typed Name: Ingrid M. State of County of Before me this day of personally known or proved to me instrument of assignment to be his/l	Holzer Date Ag	nplication Signed who is who is who is be the person who acknowledged the foregoing Notary Public My commission expires:
Inventor's Typed Name: Ingrid M. State of County of Before me this day of personally known or proved to me instrument of assignment to be his/l	Holzer Date Ag	nplication Signed who is who is who is be the person who acknowledged the foregoing Notary Public My commission expires:
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Inventor's Typed Name: Ingrid M. State of County of Before me this day of personally known or proved to me instrument of assignment to be his/l Inventor's Signature (Seal) Inventor's Typed Name: State of County of	Holzer Date Ag	Ingrid M. Holzer who is who is be the person who acknowledged the foregoing Netary Public My commission expires:
Inventor's Typed Name: Ingrid M. State of County of Before me this day of personally known or proved to me instrument of assignment to be his/l Inventor's Signature (Seal) Inventor's Typed Name: State of County of	Holzer Date Ag	Ingrid M. Holzer who is who is be the person who acknowledged the foregoing Netary Public My commission expires:
Inventor's Typed Name: Ingrid M. State of County of Before me this day of personally known or proved to me instrument of assignment to be his/l Inventor's Signature (Seal) Inventor's Typed Name: State of County of	Holzer Date Ag	Ingrid M. Holzer who is who is be the person who acknowledged the foregoing Netary Public My commission expires:
Inventor's Typed Name: Ingrid M. State of County of Before me this day of personally known or proved to me instrument of assignment to be his/l Inventor's Signature (Seal) Inventor's Typed Name: State of County of	Holzer Date Ag	Ingrid M. Holzer who is who is be the person who acknowledged the foregoing Netary Public My commission expires:
Inventor's Typed Name: Ingrid M. State of County of Before me this day of personally known or proved to me instrument of assignment to be his/l Inventor's Signature (Seal) Inventor's Typed Name: State of County of	Holzer Date Ag	nplication Signed who is who is who is be the person who acknowledged the foregoing Notary Public My commission expires:
Inventor's Typed Name: Ingrid M. State of County of Before me this day of personally known or proved to me instrument of assignment to be his/l Inventor's Signature (Seal) Inventor's Typed Name: State of County of	Holzer Date Ag	Ingrid M. Holzer who is who is be the person who acknowledged the foregoing Netary Public My commission expires:
Inventor's Typed Name: Ingrid M. State of County of Before me this day of personally known or proved to me instrument of assignment to be his/l Inventor's Signature (Seal) Inventor's Typed Name: State of County of	Holzer Date Ag	Ingrid M. Hotzer who is who is be the person who acknowledged the foregoing My commission expires:

(Use Next Page For Additional Inventor(s) Signature(s)) REEL: 014052여두RAME: 0404

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HEWLETT-PACKARD COMPANY		PATEN	
Intellectual Property Administration P. O. Box 272400 Fort Collins, Colorado 80527-2400	4	TTORNEY DOCKET NO.	10016253-1
4	ASSIGNMENT OF PATENT APPLICA	FION (cont.)	
IN WITNESS WHEREOF, I we he	reunto set my/our hand(s) and seal(:	s):	
<u></u>	Date Assignment Signed		
Inventor's Signature (Seal)			
Inventor's Typed Name: Janet Gryck	Date Application	on Signed	
State of)		
County of) 88.:)		
Before me this day of	, personally appeared the	at Carek	
personally known or proved to me on instrument of assignment to be his/her fre	the basis of satisfactory evidence to be the set and deed	e person who acknowled	who dged the foregoi
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nventor's Typed Name: Ingrid M. Holzer	Date Application	Signed <u>16 - June</u>	2003
State of)		
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Before me this day of	e JOB personally approved in		
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Before me this day of	basis of setisfactory evidence to be the patient to be the patient of the patient		
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		Notary Public	
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(Use Nevt P	age For Additional Income to a		
75/03 (Assign 2)	age For Additional Inventor(s) Signature(s))	PATEN	

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