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Michael J. Haley	Intellectual Property Administration P.O. Box 58043
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Additional name(s) of conveying party(ies) attachedYesX_No	Additional name(s) & address(es) attached?Yes _X No
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If this document is being filed together with a new appl	ication, execution date of the application is:
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Serial No.: 09/357,399 Date Filed: 07/20/99	1
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PATENT REEL: 010705 FRAME: 0102

PATENT APPLICATION

ATTORNEY DOCKET NO. 10990872-1

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

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:

Filing date:	1-24-5-5-6	Serial No.:_	091357379
continuations-in-p Letters Patent, an	art (C-I-P's), divisionals, and d any and all Letters Patent (l renewals of and su of the United States	, and any and all continuations, ubstitutes for said application for said and of countries foreign thereto which ninations, or extensions of said Letters
be held and enjoy the term or terms	ed by HP, its successors, as for which said Letters Pate as the same would have be	signs, nominees or l ent respectively may	ne for Letters Patent in any country, to egal representatives, to the full end of be granted, reissued or extended, as d by me/us had this assignment, and
that I/we have no covenant and agrideliver all such p improvement(s), s legal representati respecting said in legal proceedings C-I-P's, reissue ar everything possible enforce, for its or any and all cou	ot executed and will not exe see that I/we will, each time papers as may be necessary said application and said Le ves, and I/we agree to co vention(s) or improvement(s), to sign all lawful papers, and foreign applications, to make the to aid HP, its successors,	cute any agreement a request is made, a y or desirable to petters Patent, to HP, mmunicate to HP, said application and to execute all disclake all rightful oaths assigns, nominees atent protection for	the entire interest herein assigned, and in conflict herewith, and I/we further and without undue delay, execute and effect the title to said invention(s) or its successors, assigns, nominees or or to its nominee, all known facts d said Letters Patent, to testify in any aimers and divisionals, continuations, and declarations, and generally to do and legal representatives to obtain and said invention(s) or improvement(s) in incurred by me/us in lending such
States and any of patents on applica and all Letters Par United States wh	ficial of any country or coun ations as aforesaid, to issue t tent for said invention(s) or i	itries foreign to the l to HP, as assignee of improvement(s), incli anted on or as a r	Patents and Trademarks of the United United States whose duty it is to issue f the entire right, title and interest, any uding any and all Letters Patent of the esult of the application aforesaid, in
application now id		ket number and title	serial number and filing date of said s set forth above as soon as the same and Trademark Office.
IN WITNESS	WHEREOF, I/we hereunto se	Date Assignment Signe	15-111-11109
Inventor's Typed Name		Date Applica	ation Signed: 17-301-1997
State of Massachus	eetts)		
County of Proceeding) ss.:)		
Before me this f	day of July ,	personally appeared	lames W Kirk who is
	proved to me on the basis of sate ant to be his/her free act and deed.	ustactory evidence to be	the person who acknowledged the foregoing
			Notary Public

My commission expires: 9/24/2004

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.	10990872-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's To State of M County of I Before moersonally k nstrument o	ignature (Seal) yped Name: Ron (Wassachusetts In this day anown or proved of assignment to b	of <u>July</u> to me on th) ss.:) e basis of sact and deed	, personally a satisfactory ev d.	Date Application	n Cook he person wh	mo acknowledged the forestablic mission expires: 9/24/2004	ho is
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State of M County of I Before m personally k nstrument o	Massachusetts (n day ne this day nown or proved of assignment to b	of <u>July</u> to me on th se his/her free) ss.:) e basis of s	, personally a satisfactory ev d.		n Cook he person wh	mo acknowledged the fore	
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nventor's Si		- ₇		Date Assi	ignment Signed:	<u> 7 %</u>	1924 11 15 July	
nventor's T	yped Name: Mich	ael J Haley			Date Application	on Signed:	1 15/49	
State of N County of	Massachusetts	×)) ss.:)					
Before m personally k	ne this day	of <u>July</u> to me on th	e basis of s	satisfactory ev	ppeared Mic vidence to be t	he person wi	who acknowledged the fore	going
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nventor's Ty	yped Name:	y i williansky			Date Application	on Signea:		
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ersonally k	ne this day nown or proved if assignment to b	to me on the	e basis of s	satisfactory ev	ppeared <u>Fan</u> vidence to be tl	he person wh	no acknowledged the fore	
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(Use Page Three For Additional Inventor(s) Signature(s))

Page 2 of 2