FORM PTO-1595	08-16-200)1 U.S. DEPARTMENT OF CONMERCE
1-31-92		U.S. DEPARTMENT OF COMMERC HEET Patent and Trademark Offic
{		Attorney Dooket No. 10003483 1
1. Name of conveying party(ies):	10181259	Name and address of receiving party(ies):
Bin Zhang		HEWLETT-PACKARD COMPANY
Meichun Hsu	i	Intellectual Property Administration
Igor Kleyner		P.O. Box 272400 Fort Collins, Colorado 80527-2400
8-10-67	!	
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	!	
Additional name(a) of conveying party/iso) attacks	ahad Yas X Na	Additional name(s) & address(es) attached?YesX No
3. Nature of Conveyance:	inedres/ No	Additional name(s) & address(es) attached: res No
·		Character of No.
X Assignment	Merger	Change of Name
Security Agreement	Other	
Execution Date(s): 04/25/01, 07/19/0	01 04/18/01	
4. Application number(s) or patent number		
If this document is being filed together	er with a new appli	cation, execution date of the application is:
A. Patent Application No.(s)		B. Patent No.(s)
Application No.: 09/684,488	Date Filed: 10	0/04/00
Confirmation No.:	Additional numb	ers attached? NO
Name and address of party to whole concerning document should be ma		6. Total number of applications and patents involved: 1
Records Manager		7. Total Fee (37 CFR 3.41): \$40.00
HEWLETT-PACKARD COMPAN	IY	Enclosed
Legal Department 1501 Page Mill Rd, M/S 4U-10		
Palo Alto, CA 94304-1126		X Authorization to be charged to deposit account.
		8. Deposit Account Number: 08-2025
	DO NOT USE	THIS SPACE
9. Statement and aignoture		
9. Statement and signature.	lief the foregoing	information is true and correct and any attached copy is a
true copy of the original document.	rei, the foregoing i	monnation is true and correct and any attached copy is a
true copy or the original document.		
true copy or the original document.		
	A	wh:
Thomas X. Li	Mon	Aug 02, 2001
Thomas X. Li Name of Person Signing	Signature	Date
Thomas X. Li Name of Person Signing Total nu	· ·	
Thomas X. Li Name of Person Signing	mber of pages includ	Date ling cover sheet, attachments, and document: 5
Thomas X. Li Name of Person Signing Total nu	mber of pages includ	Date ling cover sheet, attachments, and document: 5
Thomas X. Li Name of Person Signing Total nu OMB No. 0651-0011 (exp. 4/94)	Do Not detaction of cover sheet 88 Commission	Date ling cover sheet, attachments, and document: 5

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PATENT REEL: 012063 FRAME: 0180

ATTORNEY DOCKET NO. 10992482-1

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:

Filing date:	10/04/00	Serial No.:_	09/684488
continuations- Letters Patent	-in-part (C-I-P's), divisionals :, and any and all Letters Pa	, and renewals of and s tent of the United States	n, 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 e the term or te	njoyed by HP, its successor erms for which said Letters rely as the same would hav	s, assigns, nominees or Patent respectively may	ne for Letters Patent in any country, to legal representatives, to the full end of be granted, reissued or extended, as d by me/us had this assignment, and
that I/we have covenant and deliver all suc- improvement(sized represer respecting sai- legal proceeding C-I-P's, reissure everything po- enforce, for it any and all	e not executed and will not agree that I/we will, each to papers as may be neces), said application and said tatives, and I/we agree to invention(s) or improvements, to sign all lawful papers and foreign applications, ssible to aid HP, its successes or their own benefit, propers	t execute any agreement time a request is made, a essary or desirable to pe d Letters Patent, to HP, to communicate to HP, ent(s), said application are ters, to execute all discl to make all rightful oaths sors, assigns, nominees a per patent protection for tepenses which may be	the entire interest herein assigned, and in conflict herewith, and I/we further and without undue delay, execute and erfect the title to said invention(s) or its successors, assigns, nominees or or to its nominee, all known facts ad said Letters Patent, to testify in any laimers 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 an patents on apparent and all Letters United States	y official of any country or plications as aforesaid, to is s Patent for said invention(s	countries foreign to the losue to HP, as assignee oo or improvement(s), including an ted on or as a recountry.	Patents and Trademarks of the United United States whose duty it is to issue If the entire right, title and interest, any Uding any and all Letters Patent of the result of the application aforesaid, in
application no		docket number and title	serial number and filing date of said e set forth above as soon as the same and Trademark Office.
IN WITNE	SS WHEREOF, I/we hereunt		
Inventor's Typed	Name: Bin Zhang	Date Applica	ation Signed:
State of Call	fornice	·	
County of Sun			
Before me thi	\$15 day of Mil 200	(, personally appeared §	Sin Zhang /7 who is
personally known	er proved to me on the basis	of satisfactory evidence to be	
	ANN W. JESUS	deed. ANN W. JESUS	(lew When
	mmission # 1286960	*	Notery Public My commission expires: //2/11/20x

My Comm. Expires Dec 11, 2004

When recorded please return to:

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

PATENT APPLICATION ATTORNEY DOCKET NO. 10992482-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I we her	eunto set r	my/our hand(s) and seal(s)) :
Moilelfen	,	Date Assignment Signed:	July 19, 2001
Inventor's Signature (Seal)			
Inventor's Typed Name: Meichun Hsu		Date Applicati	on Signed: July 19, 2001
State of)		,
O) ss.:		
County of)		
Before me this day of is personally known or proved to me on instrument of assignment to be his/her from	the basis of	satisfactory evidence to be th	hun Hsu who e person who acknowledged the foregoing
			Notary Public
			My commission expires:
Investoria Cianatura (Casil		Date Assignment Signed:	
Inventor's Signature (Seal)			
Inventor's Typed Name: Igor Kleyner		Date Applicati	on Signed:
State of)		
County of) ss.:		
·	•		
Before me this day of s personally known or proved to me on nstrument of assignment to be his/her fro	the basis of	satisfactory evidence to be the	(leyner who e person who acknowledged the foregoing
			Notary Public
			My commission expires:
		Date Assignment Signed:	
nventor's Signature (Seal)			
nventor's Typed Name:		Date Application	on Signed:
State of)		
County of) ss.:)		
·	•		
Before me this day of s personally known or proved to me on enstrument of assignment to be his/her fre	the basis of	satisfactory evidence to be the	who e person who acknowledged the foregoing
			Notary Public
			My commission expires:

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

Page 2 of 3

PATENT REEL: 012063 FRAME: 0182

PATENT APPLICATION

ATTORNEY DOCKET NO. 10992482-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

	Date Assignment Signed:
Inventor's Signature (Seal)	
nventor's Typed Name: Meichun Hsu	Date Application Signed:
State of)
) ss.:
County of)
Before me this day of personally known or proved to me o instrument of assignment to be his/her	, personally appeared <u>Meichun Hsu</u> who is on the basis of satisfactory evidence to be the person who acknowledged the foregoing free act and deed.
	Notary Public
	My commission expires:
State of Call Funica County of Sun the Charles Before me this day of Hoersonally known or proved to me on instrument of assignment to be his/ber	who is the basis of satisfactory evidence to be the person who acknowledged the foregoing
(0)	Date Assignment Signed:
nventor's Signature (Seal)	
nventor's Typed Name:	Date Application Signed:
State of)
Sounds of) ss.:
County of	ı
Before me this day of	, personally appeared who is
ersonally known or proved to me o nstrument of assignment to be his/her	n the basis of satisfactory evidence to be the person who acknowledged the foregoing free act and deed.
	Notary Public
	My commission expires:

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

Page 3 of 3

PATENT REEL: 012063 FRAME: 0183

RECORDED: 08/10/2001