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ORM PTO-1595 06-26-2002			5-2002	U.S. DEPARTMENT OF COMMERCI	
1-31-92	REC	REC		Patent and Trademark Office	
		1021	34783	Attorney Docket No. 100110131-1	
Name of conveying part	ry(ies): AFFICE OF PHANE	1	∠. ivame and add	ress of receiving party(ies):	
Gleff A. Oloss			1	CKARD COMPANY	
Dennis R. Esterberg		M 10- 35	P.O. Box 2724	pperty Administration 100	
Memphis Zhihong Yin	FINANCE OF	ECTION	Fort Collins, C	olorado 80527-2400	
	•	8.02			
	party(ies) attached	Yes _X_No	Additional name(s) &	address(es) attached?YesX No	
3. Nature of Conveyance:					
X Assignment		Merger	Change of Name		
Security Agree	ment	Other			
Execution Date(s): 4/25/02	2, 4/25/02, 4/25	/02, Respecti	ively.		
4. Application number(s) o					
If this document is being f	filed together wit	h a new appli	ication, execution o	late of the application is:	
A. Patent Application No.(	(s)			B. Patent No.(s)	
Application No. 10/133,03	35 [	Date Filed: 0	4/26/2002		
Confirmation No.: 1632	Ado	ditional numb	ers attached? NO	_	
Name and address of party to whom correspondence concerning document should be mailed:      Records Manager			6. Total number of applications and patents involved:1		
			7. Total Fee (37 CFR 3.41): \$40.00		
Intellectual Property HEWLETT-PACKAR			Enclosed		
P.O. Box 272400 Fort Collins, Colorado 80527-2400			X Authorization to be charged to deposit account.		
			8. Deposit Account Number: 08-2025		
		DO NOT US!	E THIS SPACE		
O Ct-townest and signature					
9. Statement and signature To the best of my knowle true copy of the original de	edge and belief, tl	he foregoing i	information is true	and correct and any attached copy is a	
	,			7.7	
Jodi Rappe	<u></u>	<u> </u>	1/4-1/4-6		
Name of Person Signing	S	Signature		Date	
	Total number	of pages includ	ding cover sheet, atta	chments, and document: 4	
OMB No. 0651-0011 (exp. 4					
Mail document to be recor 06/25/2002 DBYRNE 00000209 08	ded with required	d cover sheet	ch this portion information to: oner for Patents		
A1 FC:581 40.00 CH		Box A	ssignment on, D.C. 20231		
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REEL: 013013 FRAME: 0072

PATENT APPLICATION

ATTORNEY DOCKET NO. 100110131-1

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

## ASSIGNMENT OF PATENT APPLICATION

COMPANY, a Delaware corporation having it (hereinafter HP), in furtherance of my/our oblig	ed and hereby agree to assign to HEWLETT-PACKARD is principal place of business in Palo Alto, California, rations to HP, and do hereby assign and transfer to HP, le and interest, including the right of priority, in, to and nited States entitled:
KEY FOR USE IN LOW LIGHT CONDITIONS	
Filing date: <u>April 26, 2002</u>	Application No.: 10 (133,035
continuations-in-part (C-I-P's), divisionals, and letters Patent, and any and all Letters Patent	set forth therein, and any and all continuations, renewals of and substitutes for said application for said of the United States and of countries foreign thereto any reissues, or reexaminations, or extensions of said
to be held and enjoyed by HP, its successors, a of the term or terms for which said Letters Pa	ations in my/our name for Letters Patent in any country, ssigns, nominees or legal representatives, to the full end tent respectively may be granted, reissued or extended, een held and enjoyed by me/us had this assignment, and
and that I/we have not executed and will not further covenant and agree that I/we will, ea execute and deliver all such papers as may invention(s) or improvement(s), said application nominees or legal representatives, and I/we agracts respecting said invention(s) or improvement in any legal proceedings, to sign all lawfur continuations, C-I-P's, reissue and foreign applications and enterest to obtain and enforce, for its	e full right to convey the entire interest herein assigned, execute any agreement in conflict herewith, and I/we ch time a request is made, and without undue delay, be necessary or desirable to perfect the title to said and said Letters Patent, to HP, its successors, assigns, ree to communicate to HP, or to its nominee, all known ent(s), said application and said Letters Patent, to testify I papers, to execute all disclaimers and divisionals, cations, to make all rightful oaths and declarations, and I HP, its successors, assigns, nominees and legal or their own benefit, proper patent protection for said untries provided the expenses which may be incurred by the eare paid by HP;
States and any official of any country or country patents on applications as aforesaid, to issue that any and all Letters Patent for said invention(s) of	Commissioner of Patents and Trademarks of the United ies foreign to the United States whose duty it is to issue to HP, as assignee of the entire right, title and interest, or improvement(s), including any and all Letters Patent of ranted on or as a result of the application aforesaid, in
I/we further authorize and direct HP attor application now identified by the attorney dock shall have been made known to them by the Un	neys to insert the serial number and filing date of said et number and title set forth above as soon as the same lited States Patent and Trademark Office.
IN WITHESS WHEREOF, I/we hereunto set	71
Inventor's Signature (Seal)	Date Assignment Signed: $4 - 25 - 02$
	Date Application Signed: 4-25-02
State of )	Date Application Oignos.
) ss.:	
County of )	
Before me this day of, personally known or proved to me on the basis of satis	ersonally appeared <u>Glen A Oross</u> who sfactory evidence to be the person who acknowledged the foregoing
instrument of assignment to be his/her free act and deed.	

Notary Public

My commission expires:

**REEL: 013013 FRAME: 0073** 

## PATENT APPLICATION ATTORNEY DOCKET NO. 100110131-1

## ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I we her	eunto set m	ny/our hand(s) an	d seal(s):	
Deni Gl		Data Assignment	Signed:	4/25/2002 n Signed: 4/25/2002
Inventor's Signature (Seal)		Date Assignment	Signed	1,23,
Inventor's Typed Name: Dennis R Esterbe	Date	e Applicatio	n Signed: 4/25/4002	
State of	)			•
County of	) ss.: )			
Before me this day of is personally known or proved to me on instrument of assignment to be his/her fro	the basis of	satisfactory evidence	d <u>Dennis</u> e to be the	R Esterberg who person who acknowledged the foregoing
				Notary Public My commission expires:
Mi	1-10-10	Date Assignment	Signed:	n Signed: $\frac{4}{25}$
Inventor's Signature (Sept)				1/25/200
Inventor's Typed Name: Memphis Zhihon	g Yin	Date	e Applicatio	n Signed: +/23/362
State of	) ) ss.:			( '
County of	)			
Before me this day of is personally known or proved to me on instrument of assignment to be his/her fro	the basis of	satisfactory evidence	d <u>Memp</u> e to be the	his Zhihong Yin who person who acknowledged the foregoing
				Notary Public My commission expires:
Inventor's Signature (Seal)		Date Assignment	Signed:	
• , ,		<b>5</b>		
Inventor's Typed Name:		Date	e Applicatio	n Signed:
State of	) ) 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 the	person who acknowledged the foregoing
				Notary Public
				My commission expires:

Page 2 of 2

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

RECORDED: 06/18/2002

PATENT REEL: 013013 FRAME: 0074