FORM PTO-1595 1-31-92	UD-U!-2	U.S. DEPARTMENT OF COMMERCE		
1-31-92		Patent and Trademark Office		
	1024417	705 Attorney Docket No. <u>100111780-1</u>		
Name of conveying party(ies): David W. Pinkernell Steve O. Rasmussen Vance M. Stephens	5.5.03	2. Name and address of receiving party(ies): HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. Intellectual Property Administration P.O. Box 272400 Fort Collins, Colorado 80527-2400		
Additional name(s) of conveying party(ies) attach	nedYes _X_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): March 7, 2003, March 7, 2003 and March 7, 2003				
4. Application number(s) or patent num	ber(s):	cation, execution date of the application is:		
If this document is being filed together	with a new appli	cation, execution date of the application is:		
A. Patent Application No.(s)		B. Patent No.(s)		
Application No.: 10/384,960	Date Filed: M	ar. 10, 2003		
Confirmation No.:	Additional number	ers attached? NO		
5. Name and address of party to whom concerning document should be mai		6. Total number of applications and patents involved: 1		
Records Manager Intellectual Property Administration HEWLETT-PACKARD COMPANY P.O. Box 272400 Fort Collins, Colorado 80527-2400	\ \	7. Total Fee (37 CFR 3.41): \$40.00 Enclosed X Authorization to be charged to deposit account.		
 	,]	8. Deposit Account Number: <u>08-2025</u>		
1 FC:8021 40.00 CH	DO NOT USE	E THIS SPACE		
true copy of the original document. Bridgett Morrison Name of Person Signing	Signature nber of pages including the pages included the pages included the pages included the page i	oner for Patents ssignment		
Washington, D.C. 20231				

PATENT REEL: 014023 FRAME: 0848

PATENT APPLICATION

HEWLETT-PACKARD COMPANY Intellectual Property Administrator P. O. Box 272400

Fort Collins, Colorado 80527-2400

ATTORNEY DOCKET NO. 100111780-1

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:

Printing Mecha	nism		
Filing date: N	March₩, 2003	Application No.:	10/384,960
continuations-i Letters Patent,	ention(s) and improvement(s) s n-part (C-I-P's), divisionals, and r and any and all Letters Patent of d thereon or therefor; and any re	enewals of and substitute the United States and of o	s for said application for said ountries foreign thereto which
country, to be the full end of extended, as	litionally authorize HPDC to file held and enjoyed by HPDC, its suther term or terms for which said fully and entirely as the same word transfer not been made;	accessors, assigns, nomine Letters Patent respectivel	ees or legal representatives, to y may be granted, reissued or
that I/we have covenant and deliver all suc improvement(s legal represent respecting said legal proceeding C-I-P's, reissue everything posand enforce, foin any and all	nereby covenant that I/we have fure not executed and will not executed and will not executed agree that I/we will, each time at his papers as may be necessary and papers as may be necessary attives, and I/we agree to communitatives, and foreign applications, to make a sible to aid HPDC, its successors or its or their own benefit, proper I countries provided the expensed assistance are paid by HPDC;	Ite any agreement in confirequest is made, and with or desirable to perfect the Seatent, to HPDC, its such an action and said Lead application and said Lead application and said Lead rightful oaths and despected, assigns, nominees and patent protection for said	lict herewith, and I/we further out undue delay, execute and e title to said invention(s) or cessors, assigns, nominees or its nominee, all known facts etters Patent, to testify in any and divisionals, continuations, clarations, and generally to do legal representatives to obtain invention(s)
States and any patents on app any and all Let the United Sta	hereby authorize and request the official of any country or countriblications as aforesaid, to issue to ters Patent for said invention(s) oates which may be issued and grath the terms of this assignment.	ies foreign to the United S HPDC, as assignee of the r improvement(s), includin	tates whose duty it is to issue entire right, title and interest, g any and all Letters Patent of
said applicatio	er authorize and direct the attorne n now identified by the attorney e been made known to them by tl	docket number and title s	et forth above as soon as the
IN WITNES	SS WHEREOF, I/we hereunto set n	ny/our hand(s) and seal(s):	
	De Call Dat	e Assianment Sianed: 3 -)-C ³ 3
Inventor's Signatur	re (Seal)		
Inventor's Typed N	lame: <u>David W. Pinkerneli</u>	Date Application Signe	d: <u>3-7-03</u>
State of)		
County of) ss.:)		
personally known	day of, per or proved to me on the basis of satisfanteen to be his/her free act and deed.		

PATENT 2 REEL: 014023 FRAME: 0849

Notary Public My commission expires: When recorded please return to:

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

PATEN	IT APPLICATION
ATTORNEY DOCKET NO.	100111780-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

INWITNESS WHEREOF, I/we he	ereunto set	my/our hand(s) and seal(s):
Inventor's Signature (Seal)		Date Assignment Signed: 7 MAR 03
inventor's Typed Name: Steve O. Rasm	ussen	Date Application Signed: 7 MAR 03
State of)	·
County of) ss.:)	
Before me this day of personally known or proved to me or instrument of assignment to be his/her	n the basis of	, personally appeared <u>Steve O. Rasmussen</u> who is f satisfactory evidence to be the person who acknowledged the foregoing seed.
		Notary Public
		My commission expires:
State of County of Before me this day of) ss.:) the basis of	
		My commission expires:
Inventor's Signature (Seal) Inventor's Typed Name:		Date Assignment Signed: Date Application Signed:
	,	
State of) } ss.:	
County of)	
Before me this day of personally known or proved to me on instrument of assignment to be his/her fi	the basis of	, personally appeared who is satisfactory evidence to be the person who acknowledged the foregoing ed.
		Notary Public
		My commission expires:

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

Page 2 of 2

RECORDED: 05/05/2003

PATENT REEL: 014023 FRAME: 0850