FORM PTO-1595 1-31-92	04-23	3-2004	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
1 4.1974 REC			Attorney Docket No. 200209168-1
1. Name of conveying party(ies):	1027	28245	s of receiving party(ies):
Trudy L. Benjamin 4/15/04		HEWLETT-P	ACKARD DEVELOPMENT COMPANY, L.P.
James P. Axtell 4/15/04	•	20555 SH 2	•
Joseph M. Torgerson 4/14/04		Houston, TX	0 □
Michael D. Miller 4/14/04	d Vac X No	Additional name(s)	% address(es) attached?Yes No
Additional name(s) of conveying party(ies) attache 3. Nature of Conveyance:	dTes _X NO	Additional hame(s)	a address(es) attached:
X Assignment	Merger		Change of Name
Security Agreement	Other		
Execution Date(s): April 15, 2004			
4. Application number(s) or patent numb	er(s):	1827139	
If this document is being filed together	with a new appli		
A. Patent Application No.(s)			B. Patent No.(s)
Application No.:	Date Filed:		
Confirmation No.:	Additional numbe	ers attached? N	0
5. Name and address of party to whom concerning document should be maile		6. Total number	r of applications and patents involved: 1
Records Manager		7. Total Fee (37	CFR 3.41): \$40.00
Intellectual Property Administration HEWLETT-PACKARD COMPANY		Enclo	sed
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To the best of my knowledge and believe true copy of the original document. 4/22/2004 LILELLER 00000082 082025 10827139	f, the foregoing i	information is tru	e and correct and any attached copy is a
1 FC≤8021 40_00 DA	1 2		Ann 10, 2004
Dmitry Milikovsky Name of Person Signing	Signature		Apr 19, 2004 Date
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PATENT REEL: 015239 FRAME: 0529

ATTORNEY DOCKET NO. 200209168-1

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:

application for Letters Patent of the Fluid Ejection Device	United States entitled:
Filing date:	Application No.:
continuations-in-part (C-I-P's), divis Letters Patent, and any and all Letters	ovement(s) set forth therein, and any and all continuations, sionals, and renewals of and substitutes for said application for said ers Patent of the United States and of countries foreign thereto which; and any reissues, or reexaminations, or extensions of said Letters
country, to be held and enjoyed by the full end of the term or terms for	IPDC to file applications in my/our name for Letters Patent in any HPDC, its successors, assigns, nominees or legal representatives, to br which said Letters Patent respectively may be granted, reissued or the same would have been held and enjoyed by me/us had this made;
that I/we have not executed and v covenant and agree that I/we will, deliver all such papers as may be improvement(s), said application an legal representatives, and I/we agrespecting said invention(s) or improvement(s), reissue and foreign application everything possible to aid HPDC, is and enforce, for its or their own be	I/we have full right to convey the entire interest herein assigned, and vill not execute any agreement in conflict herewith, and I/we further each time a request is made, and without undue delay, execute and a necessary or desirable to perfect the title to said invention(s) or a said Letters Patent, to HPDC, its successors, assigns, nominees or gree to communicate to HPDC, or to its nominee, all known facts overment(s), said application and said Letters Patent, to testify in any full papers, to execute all disclaimers and divisionals, continuations, tions, to make all rightful oaths and declarations, and generally to do its successors, assigns, nominees and legal representatives to obtain nefit, proper patent protection for said invention(s) or improvement(s) the expenses which may be incurred by me/us in lending such by HPDC;
States and any official of any coun patents on applications as aforesaid any and all Letters Patent for said i	d request the Commissioner of Patents and Trademarks of the United try or countries foreign to the United States whose duty it is to issue d, to issue to HPDC, as assignee of the entire right, title and interest, nvention(s) or improvement(s), including any and all Letters Patent of ssued and granted on or as a result of the application aforesaid, in ssignment.
said application now identified by	t the attorneys of record to insert the serial number and filing date of the attorney docket number and title set forth above as soon as the to them by the United States Patent and Trademark Office.
IN WITNESS WHEREOF, I/we h	ereunto set my/our hand(s) and seal(s):
Inventor's Signature (Seal)	Date Assignment Signed: 4-15-CH
Inventor's Typed Name: Trudy L. Benjamin	Date Application Signed: サークーン4
State of	1
County of) ss.:)
Before me this day of personally known or proved to me on the instrument of assignment to be his/her free e	, personally appeared <u>Trudy L. Benjamin</u> who is basis of satisfactory evidence to be the person who acknowledged the foregoing act and deed.
	Notary Public
	My commission expires:

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Page 1 of 2

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ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF	, I/we hereunto set my/o	our hand(s) and seal(s):	
Inventor's Signature (Seal)	Gtell D	ate Assignment Signed:	2004-April 15 ion Signed: 2004 April 15	
Inventor's Typed Name: Jam	es P. Axtell	Date Applicat	ion Signed: 2004 April 15	
State of)		•	
County of) ss.:)			
Before me this day personally known or proved instrument of assignment to be		rsonally appeared <u>Jai</u> factory evidence to be t	mes P Axtell who the person who acknowledged the forego	o i
			Notary Public	_
			My commission expires:	
Inventoria Cianatura (Carll	Da	te Assignment Signed:		
Inventor's Signature (Seal)				
Inventor's Typed Name: Jose	oh M Torgerson	Date Applicati	on Signed:	
State of	1			
County of) ss.:)			
Before me this day personally known or proved instrument of assignment to b	of, pe to me on the basis of satisf e his/her free act and deed.	rsonally appeared <u>Jos</u> actory evidence to be t	who he person who acknowledged the forego) is ing
			Notary Public	_
			My commission expires:	
nventor's Signature (Seal)	Dat	e Assignment Signed:		
nventor's Typed Name: Micha	el D. Miller	Data Applicatio	on Claused.	
		Date Application	on signeo:	
State of)) ss.:			
County of)			
Before me this day personally known or proved to instrument of assignment to be	of, per to me on the basis of satisfa his/her free act and deed.	sonally appeared Mic actory evidence to be the	hael D. Miller who ne person who acknowledged the foregold	is ng
			Notary Public	_
			My commission expires:	
	(Use Page Three For Additional	Inventor(s) Signature(s))	Page 2 of 2	

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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:

Fluid Ejection Device	e		
Filing date:		Application No.:	
continuations-in-part Letters Patent, and	n(s) and improvement(s) so t (C-I-P's), divisionals, and re any and all Letters Patent of t reon or therefor; and any rei	enewals of and substitutes the United States and of cou	for said application for said intries foreign thereto which
country, to be held the full end of the t extended, as fully	ally authorize HPDC to file a and enjoyed by HPDC, its su erm or terms for which said and entirely as the same w nsfer not been made;	ccessors, assigns, nominees Letters Patent respectively	s or legal representatives, to may be granted, reissued or
that I/we have not a covenant and agree deliver all such paper improvement(s), said legal representatives respecting said inveilegal proceedings, the C-I-P's, reissue and everything possible and enforce, for its in any and all cou	y covenant that I/we have full executed and will not execut that I/we will, each time a ropers as may be necessary of a application and said Letters, and I/we agree to commention(s) or improvement(s), so sign all lawful papers, to foreign applications, to make to aid HPDC, its successors, or their own benefit, proper pontries provided the expense istance are paid by HPDC;	te any agreement in conflict equest is made, and without or desirable to perfect the Patent, to HPDC, its succeunicate to HPDC, or to its aid application and said Lett execute all disclaimers and all rightful oaths and declar assigns, nominees and legistent protection for said invested.	t herewith, and I/we further at undue delay, execute and title to said invention(s) or issors, assigns, nominees or s nominee, all known facts ters Patent, to testify in any d divisionals, continuations, irrations, and generally to to lal representatives to obtain (ention(s) or improvement(s)
States and any offic patents on application any and all Letters Fithe United States with the United States with th	by authorize and request the object of any country or country or country or country or countrie ons as aforesaid, to issue to be betten to for said invention(s) or which may be issued and graph terms of this assignment.	is foreign to the United Stat HPDC, as assignee of the en improvement(s), including a	tes whose duty it is to issue ntire right, title and interest, any and all Letters Patent of
said application now	norize and direct the attorneys videntified by the attorney d n made known to them by the	ocket number and title set	forth above as soon as the
IN WITNESS WE	HEREOF, I/we hereunto set m	y/our hand(s) and seal(s):	
	Date	Assignment Signed:	
Inventor's Signature (Seal			
Inventor's Typed Name: T	rudy L. Benjamin	Date Application Signed:_	
State of	1		
County of) 5 5. :		
personally known or pro-	day of, person, person, person, person to me on the basis of satisfact to be his/her free act and deed.	onally appeared <u>Trudy L. Beni</u> ctory evidence to be the person	who is who acknowledged the foregoing
		Notary	Public
		Му сог	mmission expires:
Rev 10/03 (Assign)	(Use Page Two For Additional Inv	rentor(s) Signature(si)	Page 1 of 2

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Fort Collins, Colorada 80527-2400

PATENT APPLICATION
ATTORNEY DOCKET NO. 200209168-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature (Seal)	Date Assignment Signed:
	Description of the Control
Inventor's Typed Name: James P Axtell	Dete Application Signed:
State of) 1 ss.:	
County of)	
	, personally appeared <u>James P Axtell</u> who is satisfactory evidence to be the person who acknowledged the foregoined.
	Notary Public
Juscy M. Turgern	My commission supires: Wate Assignment Signed: 4/14/04
The state a sport that a seem	1/4/64
Inventor's Typed Name: Joseph M Torgerson	Date Application Signed: 4114/04
State of)	
County of	
	, personally appeared <u>Joseph M Torgerson</u> who is atisfactory evidence to be the person who acknowledged the foregoing di.
	Notary Public My commission expires:
Mudul D Mulles Inventor's Signature (Seal)	Date Assignment Signed: 4/14/64
Inventor's Typed Name; Micheel D. Miller	Date Application Signed: 4/14/04
State of	
County of) ss.:	
	personally appeared Michael D. Miller who is attisfactory evidence to be the person who acknowledged the foregoing .
	Notary Public My commission expires:
(Use Page Three For Addi	tional Inventor(s) Signature(s)) Page 2 of 2

Rev 10/03 (Assign)

RECORDED: 04/19/2004

REEL: 015239 FRAME: 0533