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	PATENTS ONL'	Y Attorney Docket No. 200210175-1
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. Name of conveying party(ies):  Martha A. Truninger 7/2/03  Steven David Leith 7/7/03  Jeffery S. Hess 7/2/03		HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. 20555 SH 249 Houston, TX 77070
Additional name(s) of conveying party(ies) attach	ed <u>Yes X</u> No A	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): July 2, 2003 and July 2		
4. Application number(s) or patent num	nber(s):	
If this document is being filed togethe	r with a new applica	ition, execution date of the application is:
A. Patent Application No.(s)		B. Patent No.(s)
Application No.: 10/619,639	Date Filed: 07/	
Confirmation No.: 2913	Additional number	
5. Name and address of party to whor	•	6. Total number of applications and patents involved: 1
concerning document should be ma		7. Total Fee (37 CFR 3.41): \$40.00
Records Manager Intellectual Property Administration	1	Enclosed
HEWLETT-PACKARD COMPANY P.O. Box 272400 Fort Collins, Colorado 80527-240	0	X Authorization to be charged to deposit account.
Fort Collins, Colorado 653277245		8. Deposit Account Number: 08-2025
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Dmitry R. Milikovsky	I'm he	Nov 13, 2003
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**PATENT** 

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## PATENT APPLICATION ATTORNEY DOCKET NO. 200210175-1

ASSIGNMENT OF PATENT APPLICATION  I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKAI DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business Houston, Texas, (hereinafter HPDC), in furtherance of my/our obligations to the Hewlett-Packa Company and its subsidiaries and affiliates, and do hereby assign and transfer to HPDC, its success and assigns, the entire right, title and interest, including the right of priority, in, to and under application for Letters Patent of the United States entitled:	In ard ors
SUBSTRATE AND METHOD OF FORMING SUBSTRATE FOR FLUID EJECTION DEVICE	
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Filing date; 7/15/2003 Application No.: 10/6/9/639	<del></del>
and the invention(s) and improvement(s) set forth therein, and any and all continuation continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for site Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto whi may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letter Patent.	ne, ald ich
I/we additionally authorize HPDC to file applications in my/our name for Letters Patent in a country, to be held and enjoyed by HPDC, its successors, assigns, nominess or legal representatives, the full end of the term or terms for which said Letters Patent respectively may be granted, reissued extended, as fully and entirely as the same would have been held and enjoyed by me/us had tassignment, and transfer not been made;	to or
AND I/we hereby covenant that I/we have full right to convey the entire interest herein easigned, a that I/we have not executed and will not execute any agreement in conflict herewith, and I/we furth covenant and agree that I/we will, each time a request is made, and without undue delay, execute a deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) improvement(s), said application and said Letters Patent, to HPDC, its successors, assigns, nominees legal representatives, and I/we agree to communicate to HPDC, or to its nominee, all known fair respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in a legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuation C-1-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to everything possible to aid HPDC, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement in any and all countries provided the expenses which may be incurred by me/us in lending successoration and assistance are paid by HPDC;	ner or or ots iny ido eln
AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the Unit States and any official of any country or countries foreign to the United States whose duty it is to issue the patents on applications as aforesaid, to issue to HPDC, as assignee of the entire right, title and intere any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent the United States which may be issued and granted on or as a result of the application aforesaid, accordance with the terms of this assignment.	sue et, of
I/we further authorize and direct the attorneys of record to insert the serial number and filing date said application now identified by the attorney docket number and title set forth above as soon as teams shall have been made known to them by the United States Patent and Trademark Office,	
IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seel(s):	
Date Assignment Signad: +.03 3803	
inventor's Typed Name: <u>MARTHA A. TRUNINGER</u> Date Application Signed: 子、 <u>し</u> こっとう	
State of )	
County of ) 88,:	
Before me thisday of, personally appeared	o is ing
Notary Public	—
My commission explose:	

Hev D2/O3 (Assign)

(Use Page Two For Additional inventor(s) Signature(s))

Page 1 of 2

**PATENT** 

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PATENT APPLICATION
ATTORNEY DOCKET NO. 200210175-1

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## ASSIGNMENT OF PATENT APPLICATION (cont.)

personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoin instrument of assignment to be his/her free act and deed.  Notary Public My commission expires  Inventor's Signature (Seal) Inventor's Typed Names  State of  ) as.:  County of  )		Dela A	nalamanana Milinari	July 7.	2003	
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