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1. Name of conveying partylies): Mark Hauck James A. Harvey Norman E. Pawlowski Jr. John Greeven Additional namelal of conveying partylieal attached	M. O 8-3/-98	34.0 8-31-98 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII			Attorney Docket No. 10970442-1			
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Norman E. Pawlowski Jr. John Greeven Additional name(s) & address(es) attached?	James A. Harvey		Legal D	epartmen	t, M/S 20BN			
Additional name(s) of conveying partylies) attached	Norman E. Pawlowski Jr.							
3. Nature of Conveyance: X AssignmentMergerChange of Name Security AgreementOther Execution Date(s): 8/4/98, 8/3/98, 8/3/98 respectively 4. Application number(s) or patent number(s): If this document is being filed together with a new application, execution date of the application is: A. Patent Application No.(s) Serial No.: 08/873,612 Date Filed: 06/11/97 Additional numbers attached? NO 5. Name and address of party to whom correspondence concerning document should be mailed: Records Manager HEWLETT-PACKARD COMPANY Legal Department 1000 Ne Circle Blvd., m/s 422B Corvallis, OR 97330 A Control of Patents and Signature. 7. Total Fee (37 CFR 3.41): \$40.00 Enclosed X. Authorization to be charged to deposit account. 8. Deposit Account Number:08-2025 W 16-561	John Greeven							
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Legal Department 1000 NE Circle Blvd., m/s 422B Corvallis, OR 97330 8. Deposit Account Number: 08-2025 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Raymond A. Jenski Name of Person Signing Total number of pages including cover sheet, attachments, and document: OMB No. 0651-0011 (exp. 4/94) Do Not detach this portion Mail document to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks			7. Total Fee (37 CFR 3.41): \$40.00					
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Commissioner of Patents and Trademarks								
Box Assignment Washington, D.C. 20231								

PATENT REEL: 9432 FRAME: 0330

ATTORNEY DOCKET NO. 10970422-1

HEWLETT-PACKARD COMPANY Legal Department, 20BN P. O. Box 10301 Palo Alto, California 94303-0890

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:

Regulator For A Free-Ink Inkjet Pen	
Filing date: 06/11/97	Serial No.: 08/873,612
continuations-in-part (C-I-P's), divisionals, and rene letters Patent, and any and all Letters Patent of the	forth therein, and any and all continuations, ewals of and substitutes for said application for said e United States and of countries foreign thereto which ues, or reexaminations, or extensions of said Letters
be held and enjoyed by HP, its successors, assigns the term or terms for which said Letters Patent re	s in my/our name for Letters Patent in any country, to s, nominees or legal representatives, to the full end of espectively may be granted, reissued or extended, as neld and enjoyed by me/us had this assignment, and
that I/we have not executed and will not execute covenant and agree that I/we will, each time a red deliver all such papers as may be necessary or improvement(s), said application and said Letters legal representatives, and I/we agree to communica said invention(s) or improvement(s), said applicat proceedings, to sign all lawful papers, to execute reissue and foreign applications, to make all rigeverything possible to aid HP, its successors, assigenforce, for its or their own benefit, proper patent	ight to convey the entire interest herein assigned, and any agreement in conflict herewith, and I/we further quest is made, and without undue delay, execute and desirable to perfect the title to said invention(s) or Patent, to HP, its successors, assigns, nominees or te to HP, or to its nominee, all known facts respecting ion and said Letters Patent, to testify in any legal all disclaimers and divisionals, continuations, C-I-P's, phtful oaths and declarations, and generally to do gns, nominees and legal representatives to obtain and is protection for said invention(s) or improvement(s) in may be incurred by me/us in lending such cooperation
States and any official of any country or countries patents on applications as aforesaid, to issue to HP and all Letters Patent for said invention(s) or impro	ommissioner of Patents and Trademarks of the United foreign to the United States whose duty it is to issue as assignee of the entire right, title and interest, any ovement(s), including any and all Letters Patent of the in or as a result of the application aforesaid, in
I/we further authorize and direct HP attorney application now identified by the attorney docket r shall have been made known to them by the United	s to insert the serial number and filing date of said number and title set forth above as soon as the same States Patent and Trademark Office.
Inventor's Signature (Seal)	te Assignment Signed: $8/4/98$ Date Application Signed: $8/4/98$
Inventor's Typed Name: Mark Hauck	Date Application Signed: 8/4/98
State of Oregon) ss.:	, ,
County of Benton)	
personally known or proved to me on the basis of satisfactor instrument of assignment to be his/her free act and deed.	ally appeared Mark Hauck who is ory evidence to be the person who acknowledged the foregoing
OFFICIAL SEAL SHELLIE SCHIEL NOTARY PUBLIC - OREG COMMISSION NO. 3086 MY COMMISSION EXPIRES JAN. 21,	635

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

Page 1 of 2

When recorded please return to: HEWLETT-PACKARD COMPANY Legal Department, 20BN P. O. Box 10301 Palo Alto, California 94303-0890

PATENT APPLICATION

ATTORNEY DOCKET NO. 10970422-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREC	OF, I we hereunto set my/ou	r hand(s) and seal(s):	MAH	1 1
James Or	Nawey	Date Assignment Signed:	5/22/94	8/3/98
Inventor's Signature (Seal)			d/2/24	
(nventor's Typed Name: Ja	mes A. Harvey	Date Application S	Signed: 3/3/98	
State of Oregon)			
County of Benton) ss.:)			
Before me this 3rd da personally known or prove	ay of <u><i>Acquist</i>, 1998</u> , person and to me on the basis of satisfa	onally appeared James /	A. Harvey person who acknowledged the	who is foregoing
instrument of assignment to	o be his/her free act and deed.		Marie S. A. M.	
	OFFICIAL SEAL SHELLIE SCHIEL NOTARY PUBLIC - OREG COMMISSION NO. 306 MY COMMISSION EXPIRES JAN. 21	30N 3635	Notary Public My commission expires: 1/21/02	
An elle	The 11 50	Date Assignment Signed:	8-4-98	
Inventor's Signature (Seal)				
Inventor's Typed Name: No	orman E. Pawlowski, Jr.	Date Application S	Signed: 8-9-98	
State of Oregon) } ss.:			
County of Benton)			
	oy of Clugust, 1948, person and to me on the basis of satisfa to be his/her free act and deed.	onally appeared Norman ctory evidence to be the p	E. Pawlowski, Jr. person who acknowledged the	who is foregoing
	OFFICIAL SE. SHELLIE SC. NOTARY PUBLIC - COMMISSION NO MY COMMISSION EXPIRES	HIEL OREGON D. 308635	Notary Public My commission expires: 1/21/02	
John Gre	eve	Date Assignment Signed:	8/3/98	
Inventor's Signature (Seal)	ha Carana		8/3/98	
Inventor's Typed Name: Jol	an dreeven	Date Application S	igned:	
State of Oregon)) ss.:			
County of Benton)			
•	y of <u>August 1998</u> , person and to me on the basis of satisfar to be his/her free act and deed.	onally appeared		who is foregoing
	OFFICIAL SEAL SHELLIE SCHIE NOTARY PUBLIC - ORE COMMISSION NO. 300 MY COMMISSION EXPIRES JAN. 2	GON 8635	Motary Public My commission expires: 1/21/02	

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

Page 2 of 2

Rev 04/98 (Assign)

PATENT REEL: 9432 FRAME: 0332

RECORDED: 08/31/1998