FORM PTO-1595	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
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Charles S. Johnson	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	
Shang-Sheng Tung	20555 SH 249	
Ronald M. Cassou	Houston, TX 77070	
David Hege	06-09-2004	
Gary S. Smith		
	102761245	
Additional name(s) of conveying party(ies) attachedYes <u>X_N</u> 3. Nature of Conveyance:	No Additional name(s) & address(es) attached?Yes _X NO	
·	Change of Name	
X Assignment Merge	-	
Security Agreement Other		
Execution Date(s): March 23, 2004, March 5, 2004 &	March 15, 2004	
Application number(s) or patent number(s):		
If this document is being filed together with a new ap	oplication, execution date of the application is:	
A. Patent Application No.(s)	B. Patent No.(s)	
Application No.: 10/774,267 Date Filed:	Feb. 6, 2004	
	mbers attached? _NO_	
 name and address of party to whom correspondent concerning document should be mailed: 	ce 6. Total number of applications and patents involved: 1	
Records Manager Intellectual Property Administration	7. Total Fee (37 CFR 3.41): \$40.00	
HEW LETT-PACKARD COMPANY	Enclosed	
P.O. Box 272400 Fort Collins, Colorado 80527-2400	X Authorization to be charged to deposit account.	
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Guy K. Clinger, Esq. Name of Person Signing Signature	Jun 01, 2004 Date	
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Rev 10/03 (Recdasgn)		

PATENT REEL: 015424 FRAME: 0842

PATENT APPLICATION

ATTORNEY DOCKET NO. 200302554-1

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

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:

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:		
TRANSACTION PROCESSING APPARATUS AND	METHOD	
Filing date: February 6, 2004	Application No.: 10/774,267	
continuations-in-part (C-I-P's), divisionals, and r Letters Patent, and any and all Letters Patent of	set forth therein, and any and all continuations, enewals of and substitutes for said application for said the United States and of countries foreign thereto which issues, or reexaminations, or extensions of said Letters	
country, to be held and enjoyed by HPDC, its su the full end of the term or terms for which said	applications in my/our name for Letters Patent in any uccessors, assigns, nominees or legal representatives, to Letters Patent respectively may be granted, reissued or would have been held and enjoyed by me/us had this	
that I/we have not executed and will not executed covenant and agree that I/we will, each time a deliver all such papers as may be necessary improvement(s), said application and said Letter: legal representatives, and I/we agree to commenspecting said invention(s) or improvement(s), segal proceedings, to sign all lawful papers, to C-I-P's, reissue and foreign applications, to mak everything possible to aid HPDC, its successors and enforce, for its or their own benefit, proper	Ill right to convey the entire interest herein assigned, and lite any agreement in conflict herewith, and I/we further request is made, and without undue delay, execute and or desirable to perfect the title to said invention(s) or s Patent, to HPDC, its successors, assigns, nominees or nunicate to HPDC, or to its nominee, all known facts said application and said Letters Patent, to testify in any execute all disclaimers and divisionals, continuations, e all rightful oaths and declarations, and generally to do s, assigns, nominees and legal representatives to obtain patent protection for said invention(s) or improvement(s) es which may be incurred by me/us in lending such	
patents on applications as aforesaid, to issue to any and all Letters Patent for said invention(s) o	Commissioner of Patents and Trademarks of the United es foreign to the United States whose duty it is to issue HPDC, as assignee of the entire right, title and interest, r improvement(s), including any and all Letters Patent of the application aforesaid in	
same shall have been made known to them by the		
Inventor's Signature (Seal)	ny/our hand(s) and seal(s): e Assignment Signed: $3/3/04$	
Inventor's Typed Name: <u>charles 5. Johnson</u> State of Nevada	Date Application Signed: 5/45/04	
County of CLARK		
Before me this 23 gday of MARCH 2004 pers	Puck L June	
County of C		

Notary Public - State of Nevada
County of Clark
RICK L. INMAN
My Appointment Expires
Muly 3, 2007

PATÊÑT^{of 3}

REEL: 015424 FRAME: 0843

ASSIGNMENT OF PATENT APPLICATION (cont.)

N WITNESS WHEREOF, I/we he			
Sharshy to	Date Assignmen	nt Signed: 5	-MAR-04
nventor's Signature (Seal	, 	G ————————————————————————————————————	
nventor's Typed Name: Shang-Sheng T	ung D	ate Application Sign	ed: 5-MAR-04
State of)		
County of) \$ s .:		
Before me this day of personally known or proved to me on	, personally appe	eared <u>Shang-She</u> ence to be the pers	ng Tung who son who acknowledged the foregoing
nstrument of assignment to be his/her fi	ree act and deed.		
			lotary Public ly commission expires:
Ronald M. Casso	Date Assignmer	nt Signed: 5	-MAR-04
nventor's Signature (Seal)			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
nventor's Typed Name: Ronald M. Cass	OU D.	ate Application Sign	ed: 5-MAR-04
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State of County of Before me this day of personally known or proved to me on)) ss.:), personally appe the basis of satisfactory evide ee act and deed.	eared Ronald M. Ince to be the person	Cassou who on who acknowledged the foregoing otary Public by commission expires.
State of County of Before me this day of personally known or proved to me on a strument of assignment to be his/her from the county of the coun)) ss.:), personally appe the basis of satisfactory evide	eared Ronald M. Ince to be the person	Cassou who on who acknowledged the foregoin otary Public by commission expires.
State of County of Before me this day of personally known or proved to me on a strument of assignment to be his/her from the county of the co) ss.:)	eared Ronald M. Ince to be the person	Cassou who on who acknowledged the foregoin otary Public by commission expires.
State of County of Before me this day of personally known or proved to me on a strument of assignment to be his/her from the county of the cou) ss.:), personally apperties the basis of satisfactory evide ee act and deed.	earedRonald M. Ince to be the personN M	Cassou who on who acknowledged the foregoin otary Public by commission expires.
Before me this day of Dersonally known or proved to me on instrument of assignment to be his/her from the instrument of assignment o) ss.:)	earedRonald M. Ince to be the personN M	Cassou who on who acknowledged the foregoin otary Public by commission expires.
Before me this day of bersonally known or proved to me on a strument of assignment to be his/her from the strument of assignment of assignme) ss.:) personally apperthe basis of satisfactory evidence act and deed. Date Assignment Date in the basis of satisfactory evidence act and deed.	eared Ronald M. Ince to be the personal N. In Signed: Signed Signed	Cassou who on who acknowledged the foregoin otary Public by commission expires. - Mar - O Y ed:
Before me this day of Dersonally known or proved to me on instrument of assignment to be his/her from the instrument of assignment to be his/her from the inventor's Signature (Seal) Inventor's Typed Name: David Hege Itate of sounty of) ss.:) personally apperthe basis of satisfactory evidence act and deed. Date Assignment Date in the basis of satisfactory evidence act and deed.	ared Ronald M. Ince to be the personal M. N M At Signed: Signed ate Application Signed ared David Hegence to be the personal	Cassou who on who acknowledged the foregoin otary Public by commission expires. - Mar - O Y ed:

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

Page 2 of 3

When recorded please return to:

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Intellectual Property Administration
P. O. Box 272400
Fort Collins, Colorado 80527-2400

PATENT APPLICATION ATTORNEY DOCKET NO. 200302554-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I/we here	unto set my/our hand(s) and seal(s):
Inventor's Signature (Seal)	Date Assignment Signed: 15 - MAL - 64
Inventor's Typed Name: Gary S. Smith	Date Application Signed:
State of)
County of) ss.:)
Before me this day of personally known or proved to me on th instrument of assignment to be his/her free	, personally appeared Gary S. Smith who is e basis of satisfactory evidence to be the person who acknowledged the foregoing act and deed.
	Notary Public My commission expires:
Inventor's Signature (Seal)	Date Assignment Signed:
Inventor's Typed Name:	Date Application Signed:
State of	
County of) ss.:)
Before me this day of personally known or proved to me on th instrument of assignment to be his/her free	, personally appeared who is e basis of satisfactory evidence to be the person who acknowledged the foregoing act and deed.
	Notary Public My commission expires:
Inventor's Signature (Seal)	Date Assignment Signed:
Inventor's Typed Name:	Date Application Signed:
State of) \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
County of) ss.:)
Before me this day of personally known or proved to me on the instrument of assignment to be his/her free	, personally appeared who is a basis of satisfactory evidence to be the person who acknowledged the foregoing act and deed.
	Notary Public My commission expires:

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

Page 3 of 3

Rev 10/03 (Assign)

PATENT REEL: 015424 FRAME: 0845

RECORDED: 06/04/2004