#### PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

#### **CONVEYING PARTY DATA**

Name	Execution Date
Martin Goldstein	09/13/2010
Dale C. Morris	09/13/2010
Michael R. Krause	09/13/2010

#### **RECEIVING PARTY DATA**

Name:	Hewlett-Packard Development Company, L.P.	
Street Address:	11445 Compaq Center Drive West	
City:	Houston	
State/Country:	TEXAS	
Postal Code:	77070	

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13808507

### **CORRESPONDENCE DATA**

9707784063 Fax Number:

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (541)715-8443

Email: pto.assignments@hp.com Correspondent Name: **Hewlett-Packard Company** 3404 E. Harmony Road MS 35 Address Line 1: Address Line 2: Intellectual Property Administration Fort Collins, COLORADO 80528 Address Line 4:

NAME OF SUBMITTER: Joanna Keyt

Total Attachments: 3

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PATENT

REEL: 029574 FRAME: 0331

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

PATENT APPLICATION

For Comme, Commerce and Commerce	AND 14 AND DOC 1 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1
ASSIGNMENT OF PATEN  I/We, the undersigned (each) have agreed and  DEVELOPMENT COMPANY, L.P., a Texas Limited Partnersh  Texas, (hereinafter HPDC), in furtherance of mylour oblig  subsidieries and affiliates, and do hereby assign and transfer to  title and interest, including the right of priority, in, to and under  entitled:  COMPUTER SYSTEM WITH FABRIC MODULES	i hereby agree to assign to HEWLETT-PACKARD ip having its principal place of business in Houston, gations to the Hewlett-Packard Company and its b HPDC, its successors and assigns, the entire right,
Filing Date: Ar	plication No.:
and the invention(s) and improvement(s) set forth therein, and P's), divisionals, and renewals of and substitutes for said applications of the United States and of countries foreign thereto we reissues, or reexaminations, or extensions of said Letters Pater I/we additionally authorize HPDC to file applications in held and enjoyed by HPDC, its successors, assigns, nominees terms for which said Letters Patent respectively may be grant same would have been held and enjoyed by me/us had this asse.  AND I/we hereby covenant that I/we have full right to we have not executed and will not execute any agreement in contact I/we will, each time a request is made, and without undue necessary or destrable to perfect the title to said invention(s). Patent, to HPDC, its successors, assigns, nominees or legal HPDC, or to its nominee, all known facts respecting said inventionations, C-I-P's, reissue and foreign applications, to make do everything possible to aid HPDC, its successors, assigns enforce, for its or their own benefit, proper patent protection frountries provided the expenses which may be incurred by meanify the HPDC:  AND I/we hereby authorize and request the Commiss and any official of any country or countries foreign to the trapplications as aforesaid, to issue to HPDC, as assignee of Patent for said invention(s) or improvement(s), including any abe issued and granted on or as a result of the application afore:  I/we further authorize and direct the attorneys of recapplication now identified by the attorney docket number and been made known to them by the United States Patent and Tra	any and all continuations, continuations-in-part (C-l- cation for said Letters Patent, and any and all Letters which may be granted thereon or therefore; and any at.  It my/our name for Letters Patent in any country, to be or legal representatives, to the full end of the term or ed, reissued or extended, as fully and entirely as the signment, and transfer not been made; convey the entire interest herein assigned, and that I/ conflict herewith, and I/we further covenant and agree delay, execute and deliver all such papers as may be or improvement(s), said application and said Letters representatives, and I/we agree to communicate to ntion(s) or improvement(s), said application and said wful papers, to execute all disclaimers and divisionals, ite all rightful oaths and declarations, and generally to it, nominees and legal representatives to obtain and or said invention(s) or improvement(s) in any and all levius in lending such cooperation and assistance are lioner of Patents and Trademarks of the United States United States whose duty it is to issue patents on the entire right, title and interest, any and all Letters and all Letters Patent of the United States which may said, in accordance with the terms of this assignment, ord to insent the serial number and filing date of said title set forth above as soon as the same shall have
Martin Goldstein Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
Dale C. Morris	Date Application Signed
inventor's Typed Name	овие кррисаком экупец

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HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

PATENT APPLICATION

ATTORNEY DOCKET NO. 201000387-1

#### **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 Parlnership 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,

Filing Date:  Application No.:  and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Letters Patent.  Whe additionally authorize HPDC to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by HPDC, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made:  AND live hereby coverant that live have full right to convey the entire interest herein assigned, and that live have not executed and will not execute any agreement in conflict herewith, and live further coverant and agree that live will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the tille to said invention(s) or improvement(s), said application and said Letters Patent, to HPDC, its successors, assigns, nominees or legal representatives, and live agree to communicate to HPDC, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to lestify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful caths and declarations, and generally to do everyfhing 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(s) in any and all co	title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States entitled:		
and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-IP's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Letters Patent.  Whe additionally authorize HPDC to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by HPDC, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;  AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to HPDC, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPDC, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to lestify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful caths and declarations, and generally to de 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(s) in any and all centres provided the expenses which			
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I/we further authorize and direct the attorneys of record to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Palent and Trademark Office.	and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and Patent of the United States and of countries foreign thereto which may be granted thereon or therefor reissues, or reexaminations, or extensions of said Letters Patent.  **Wew additionally authorize HPDC to file applications in my/our name for Letters Patent in any conheid and enjoyed by HPDC, its successors, assigns, nominees or legal representatives, to the full end of terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and ent same would have been held and enjoyed by me/us had this assignment, and transfer not been made;  AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and selecters Patent, to HPDC, its successors, assigns, nominees or legal representatives, and I/we agree to committee Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and continuations, C-1-P's, reissue and foreign applications, to make all rightful caths and declarations, and de everything possible to aid HPDC, its successors, assigns, nominees and legal representatives to enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in a countries provided the expenses which may be incurred by me/us in lending such cooperation and assigned by HPDC;  AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United any official of any country or countries foreign to the United States whose duty it is to issue applica		
application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Palent and Trademark Office.	be issued and granted on or as a result of the application aforesaid, in a	accordance with the terms of this assignment.	
been made known to them by the United States Patent and Trademark Office.	application now identified by the attorney docket number and title set	forth above as soon as the same shall have	
Inventor's Signature Date Assignment Signed			
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Inventor's Signature Date Assignment Signed			
	Inventor's Signature	Date Assignment Signed	
Martin Goldstein	Martin Goldstein		
Inventor's Typed Name Date Application Signed	Inventor's Typed Name	Date Application Signed	
4004 C 6/6/6 9/13/2010	4004 C 414/6-3	9/13/2010	
invenior's Signature Date Assignment Signed	inventor's Signature	Date Assignment Signed	
Oale C. Morris 9/13/2010	Oale C. Morris	9/13/2010	
Inventor's Typed Name Date Application Signed	Inventor's Typed Name		

Rev 10/09 (Assignment)

H1028-A99

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**PATENT REEL: 029574 FRAME: 0333**  HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

#### PATENT APPLICATION

ATTORNEY DOCKET NO. \_\_\_\_\_201000387-1

## ASSIGNMENT OF PATENT APPLICATION (cont.)

Market Maria	4//11/20/0
oventor's Signature	Oate Assignment Signed
Aichael R. Krause	Oak Assilation Classed
nventor's Typed Name	Date Application Signed
nventor's Signature	Date Assignment Signed
	Mary Angliand Comment
nventor's Typed Name	Date Application Signed
nventor's Signature	Date Assignment Signed
nventor's Typed Name	Date Application Signed
nventor's Signature	Date Assignment Signed
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nventor's Typed Name	Date Application Signed

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**PATENT REEL: 029574 FRAME: 0334**