

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3955621

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the ASSIGNEE CORRECTION: previously recorded on Reel 036870 Frame 0299. Assignor(s) hereby confirms the ASSIGNEE; HEWLETT-PACKARD DEVELOPMENT COMPANY,L.P..
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DANIEL FREEDMAN	03/29/2011
PAVEL KISILEV	03/29/2011
ANASTASIA DUBROVINA	03/29/2011
SAGI SCHEIN	04/05/2011
RUTH BERGMAN	04/04/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Hewlett-Packard Development Company, L.P.
<b>Street Address:</b>	11445 Compaq Center Drive West
<b>City:</b>	Houston
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77070
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14921594
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	(970) 898-7444
<b>Email:</b>	hpe.ip.mail@hp.com
<b>Correspondent Name:</b>	HEWLETT PACKARD ENTERPRISE
<b>Address Line 1:</b>	3404 E. HARMONY ROAD MS 79
<b>Address Line 4:</b>	FORT COLLINS, COLORADO 80528
<b>ATTORNEY DOCKET NUMBER:</b>	90091124
<b>NAME OF SUBMITTER:</b>	JOANNA KEYT
<b>SIGNATURE:</b>	/JOANNA KEYT/
<b>DATE SIGNED:</b>	07/11/2016

**Total Attachments: 14**

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source=90091124\_Assignee\_Correction#page14.tif



United States Patent and Trademark Office

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The coversheet of the assignment is displayed below:

**PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1

Stylesheet Version v1.2

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>DANIEL FREEDMAN</td><td>03/29/2011</td></tr><tr><td>PAVEL KISILEV</td><td>03/29/2011</td></tr><tr><td>ANASTASIA DUBROVINA</td><td>03/29/2011</td></tr><tr><td>SAGI SCHEIN</td><td>04/05/2011</td></tr><tr><td>RUTH BERGMAN</td><td>04/04/2011</td></tr></tbody></table>	Name	Execution Date	DANIEL FREEDMAN	03/29/2011	PAVEL KISILEV	03/29/2011	ANASTASIA DUBROVINA	03/29/2011	SAGI SCHEIN	04/05/2011	RUTH BERGMAN	04/04/2011	
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RUTH BERGMAN	04/04/2011												
<b>RECEIVING PARTY DATA</b>													
HEWLETT-PACKARD													
<b>Name:</b>	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.												
<b>Street Address:</b>	11445 COMPAQ CENTER DRIVE WEST												
<b>City:</b>	HOUSTON												
<b>State/Country:</b>	TEXAS												
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Application Number:	14921594												

<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(541)715-8443
<b>Phone:</b>	970-778-4063
<b>Email:</b>	ipa.mail@hp.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Correspondent Name:</b>	HEWLETT-PACKARD COMPANY
<b>Address Line 1:</b>	3404 E. HARMONY ROAD
<b>Address Line 2:</b>	MAIL STOP 35
<b>Address Line 4:</b>	FORT COLLINS, COLORADO 80528
<b>ATTORNEY DOCKET NUMBER:</b>	90091124
<b>NAME OF SUBMITTER:</b>	TIMOTHY F. MYERS
<b>Signature:</b>	/Timothy F. Myers, Reg. No. 42919/
<b>Date:</b>	10/23/2015
<b>Total Attachments: 10</b> source=201005764WO01-Assignment_Executed#page1.tif source=201005764WO01-Assignment_Executed#page2.tif source=201005764WO01-Assignment_Executed#page3.tif source=201005764WO01-Assignment_Executed#page4.tif source=201005764WO01-Assignment_Executed#page5.tif source=201005764WO01-Assignment_Executed#page6.tif source=201005764WO01-Assignment_Executed#page7.tif source=201005764WO01-Assignment_Executed#page8.tif source=201005764WO01-Assignment_Executed#page9.tif source=201005764WO01-Assignment_Executed#page10.tif	
<b>RECEIPT INFORMATION</b>	
<b>EPAS ID:</b>	PAT3584607
<b>Receipt Date:</b>	10/23/2015

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

PATENT APPLICATION

PATENT REFERENCE: 201005764WO01

### 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:

### GRAPHICAL OBJECT CLASSIFICATION

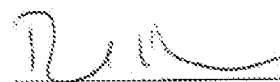
Filing Date: \_\_\_\_\_ Application No.: \_\_\_\_\_  
and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of 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.

I/we 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 testify 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 oaths and declarations, and generally to do 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 countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HPDC;

AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

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 Patent and Trademark Office.

  
Inventor's Signature

Daniel Freedman  
Inventor's Typed Name

3/27/2011  
Date Assignment Signed

3/29/2011  
Date Application Signed

Inventor's Signature

Pavel Kisilev  
Inventor's Typed Name

Date Assignment Signed

Date Application Signed

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

PATENT APPLICATION

PATENT REFERENCE: 201005764WO01

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature

Date Assignment Signed

Anastasia Dubrovina  
Inventor's Typed Name

Date Application Signed

Inventor's Signature

Date Assignment Signed

Sagi Schein  
Inventor's Typed Name

Date Application Signed

Inventor's Signature

Date Assignment Signed

Ruth Bergman  
Inventor's Typed Name

Date Application Signed

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**GRAPHICAL OBJECT CLASSIFICATION**

**Filing Date:** \_\_\_\_\_ **Application No.:** \_\_\_\_\_  
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I/we 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 testify 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 oaths and declarations, and generally to do 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 countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HPDC;

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Inventor's Signature

Date Assignment Signed

Daniel Freedman

Inventor's Typed Name

Date Application Signed



Inventor's Signature

29/03/11  
Date Assignment Signed

Pavel Kisilev

Inventor's Typed Name

29/03/11  
Date Application Signed

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3404 E. Harmony Road  
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**PATENT APPLICATION**

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\_\_\_\_\_  
Inventor's Signature

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Daniel Freedman  
\_\_\_\_\_  
Inventor's Typed Name

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Pavel Kisilev  
\_\_\_\_\_  
Inventor's Typed Name


\_\_\_\_\_  
Date Application Signed

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

**PATENT APPLICATION**

PATENT REFERENCE: 201005764WO01

**ASSIGNMENT OF PATENT APPLICATION (cont.)**

 _____ Inventor's Signature	<u>3/29/11</u> _____ Date Assignment Signed
Anastasia Dubrovina _____ Inventor's Typed Name	<u>3/29/11</u> _____ Date Application Signed
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Pavel Kisilev  
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Fort Collins, Colorado 80528

PATENT APPLICATION

PATENT REFERENCE: 201005764WO01

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature

Date Assignment Signed

Anastasia Dubrovina  
Inventor's Typed Name

Date Application Signed

*Sagi Schein*  
Inventor's Signature

*April 5 / 2011*  
Date Assignment Signed

Sagi Schein  
Inventor's Typed Name

*April 5 / 2011*  
Date Application Signed

Inventor's Signature

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Ruth Bergman  
Inventor's Typed Name

Date Application Signed

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

PATENT APPLICATION

PATENT REFERENCE: 201005784WO01

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:

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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.

I/we 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 testify 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 oaths and declarations, and generally to do 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 countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HPDC;

AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

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 Patent and Trademark Office.

Inventor's Signature \_\_\_\_\_

Date Assignment Signed \_\_\_\_\_

Daniel Freedman  
Inventor's Typed Name \_\_\_\_\_

Date Application Signed \_\_\_\_\_

Inventor's Signature \_\_\_\_\_

Date Assignment Signed \_\_\_\_\_

Pavel Kisilev  
Inventor's Typed Name \_\_\_\_\_

Date Application Signed \_\_\_\_\_

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

PATENT APPLICATION

PATENT REFERENCE: 201005764WO01

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature

Date Assignment Signed

Anastasia Dubrovina

Inventor's Typed Name

Date Application Signed

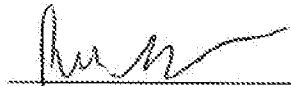
Inventor's Signature

Date Assignment Signed

Sagi Schen

Inventor's Typed Name

Date Application Signed



Inventor's Signature

Apr 4, 2011  
Date Assignment Signed

Ruth Bergman

Inventor's Typed Name

Apr 4, 2011  
Date Application Signed

Inventor's Signature

Date Assignment Signed

Inventor's Typed Name

Date Application Signed

Inventor's Signature

Date Assignment Signed

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