

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Xuemei Zhang</td> <td>10/28/2009</td> </tr> <tr> <td>Clayton Brian Atkins</td> <td>10/28/2009</td> </tr> <tr> <td>Daniel R Tretter</td> <td>10/28/2009</td> </tr> </tbody> </table>		Name	Execution Date	Xuemei Zhang	10/28/2009	Clayton Brian Atkins	10/28/2009	Daniel R Tretter	10/28/2009
Name	Execution Date								
Xuemei Zhang	10/28/2009								
Clayton Brian Atkins	10/28/2009								
Daniel R Tretter	10/28/2009								
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									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13501293</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13501293				
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Application Number:	13501293								
CORRESPONDENCE DATA									
Fax Number:	(970)778-4063								
Phone:	(541)715-8443								
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	Hewlett-Packard Company								
Address Line 1:	3404 E. Harmony Road MS 35								
Address Line 2:	Intellectual Property Administration								
Address Line 4:	Fort Collins, COLORADO 80528								
NAME OF SUBMITTER:	Debbie Syrmis								
Total Attachments: 2 source=82991648#page1.tif source=82991648#page2.tif									

CH \$40.00 13501293

PATENT

HEWLETT-PACKARD COMPANY  
 Intellectual Property Administrator  
 P.O. Box 372400  
 Fort Collins, Colorado 80527-2400

PATENT APPLICATION

ATTORNEY DOCKET NO. 200904350-1 (82991648)

**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:

**ARRANGING SECONDARY IMAGES ADJACENT TO A PRIMARY IMAGE**

Filing Date: 4/11/2012 Application No.: 13/501293

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.

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Xuemei Zhang 10/28/2009  
 Inventor's Signature (Seal) Date Assignment Signed  
Xuemei Zhang 10/28/2009  
 Inventor's Typed Name Date Application Signed

State of \_\_\_\_\_ )  
 ) ss.:  
 County of \_\_\_\_\_ )  
 Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Xuemei Zhang who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.

Notary Public  
 My Commission Expires: \_\_\_\_\_

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

PATENT APPLICATION

ATTORNEY DOCKET NO. 200904350-1

(82991648)

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

[Signature] \_\_\_\_\_ Date Assignment Signed Oct. 28, 2009  
Inventor's Signature (Seal)

Clayton Brian Atkins \_\_\_\_\_ Date Application Signed Oct. 28, 2009  
Inventor's Typed Name

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.:

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Clayton Brian Atkins who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.

Notary Public  
My Commission Expires:

[Signature] \_\_\_\_\_ Date Assignment Signed 28 Oct 2009  
Inventor's Signature (Seal)

Daniel R. Tretler \_\_\_\_\_ Date Application Signed 28 Oct 2009  
Inventor's Typed Name

State of \_\_\_\_\_ )  
County of \_\_\_\_\_ ) ss.:

Before me this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Daniel R. Tretler who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free 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 appeared \_\_\_\_\_ who is personally known or proved to me on the basis of satisfactory evidence to be the person who acknowledged the foregoing instrument of assignment to be his/her free act and deed.

Notary Public  
My Commission Expires: