

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Lihua Zhao</td><td>03/24/2011</td></tr><tr><td>Hao Luo</td><td>03/24/2011</td></tr><tr><td>Carl P. Taussig</td><td>03/24/2011</td></tr><tr><td>James A. Brug</td><td>03/24/2011</td></tr><tr><td>Richard E. Elder</td><td>03/24/2011</td></tr><tr><td>Warren B. Jackson</td><td>03/24/2011</td></tr><tr><td>Ping Mei</td><td>03/24/2011</td></tr></tbody></table>	Name	Execution Date	Lihua Zhao	03/24/2011	Hao Luo	03/24/2011	Carl P. Taussig	03/24/2011	James A. Brug	03/24/2011	Richard E. Elder	03/24/2011	Warren B. Jackson	03/24/2011	Ping Mei	03/24/2011	
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RECEIVING PARTY DATA																	
Name:	Hewlett-Packard Development Company, L.P. Company																
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>13074259</td></tr></tbody></table>	Property Type	Number	Application Number:	13074259													
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Application Number:	13074259																
CORRESPONDENCE DATA																	
Fax Number:	(970)778-4063																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone:	970-898-4728																
Email:	JERRY.SHORMA@HP.COM																
Correspondent Name:	HEWLETT-PACKARD COMPANY Intellectual Pro																
Address Line 1:	3404 E. Harmony Road																
Address Line 2:	Mail Stop 35																
Address Line 4:	FORT COLLINS, COLORADO 80528																
NAME OF SUBMITTER:	Nathan E. Stacy																
Total Attachments: 2 source=Signed_Assignment_pdno-200904591US01_hpqb-0311_CPDF#page1.tif source=Signed_Assignment_pdno-200904591US01_hpqb-0311_CPDF#page2.tif																	

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PATENT  
REEL: 026040 FRAME: 0833

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

PATENT APPLICATION

ATTORNEY DOCKET NO. 200904591US01

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:

ELECTRONIC APPARATUS

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

Lihua Zhao  
Inventor's Typed Name

3/24/2011  
Date Assignment Signed

3/24/2011  
Date Application Signed

  
Inventor's Signature

Hao Luo  
Inventor's Typed Name

3/24/2011  
Date Assignment Signed

3/24/2011  
Date Application Signed

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

PATENT APPLICATION

ATTORNEY DOCKET NO. 200904591US01

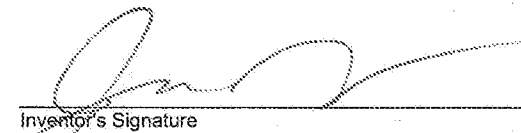
ASSIGNMENT OF PATENT APPLICATION (cont.)

  
Inventor's Signature

29 March 2011  
Date Assignment Signed

Carl P. Taussig  
Inventor's Typed Name

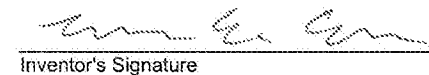
29 March 2011  
Date Application Signed

  
Inventor's Signature

24 March 2011  
Date Assignment Signed

James A. Brug  
Inventor's Typed Name

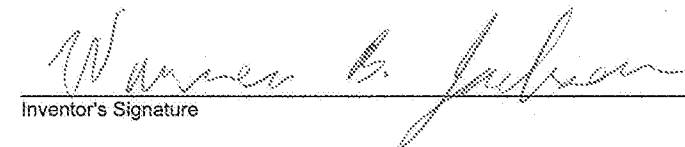
24 March 2011  
Date Application Signed

  
Inventor's Signature

24 MAR 2011  
Date Assignment Signed

Richard E. Elder  
Inventor's Typed Name

24 MAR 2011  
Date Application Signed

  
Inventor's Signature

3/24/2011  
Date Assignment Signed

Warren Jackson  
Inventor's Typed Name

3/24/2011  
Date Application Signed

  
Inventor's Signature

3/24/11  
Date Assignment Signed

Ping Mei  
Inventor's Typed Name

3/24/11  
Date Application Signed

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