

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
<b>Name</b>	<b>Execution Date</b>
LARS HELGE THYLEN	02/16/2012
MICHAEL RENNE TY TAN	02/16/2012
SHIH-YUAN WANG	02/16/2012
ALEXANDRE M. BRATKOVSKI	02/18/2012
WAYNE V. SORIN	02/16/2012
MICHAEL JOSEF STUKE	02/17/2012
RECEIVING PARTY DATA	
<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
PROPERTY NUMBERS Total: 1	
<b>Property Type</b>	<b>Number</b>
Application Number:	13284164
CORRESPONDENCE DATA	
Fax Number:	(970)778-4063
Phone:	(541)715-8443
Email:	terri.tuma@hp.com
<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:	GARY J. PITZER
Total Attachments: 3 source=ASSIGNMENT#page1.tif source=ASSIGNMENT#page2.tif source=ASSIGNMENT#page3.tif	

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

PATENT APPLICATION

RECORD ID: 82755895

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:

PROCESS POLING FOR MATERIAL CONFIGURATION

Filing Date: 10/28/2011

Application No.: 13/284,164

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 Record ID 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

Lars Helge Thylen  
Inventor's Typed Name

10/01/2011  
Date Application Signed

Inventor's Signature

Date Assignment Signed

Michael Renne Ty Tan  
Inventor's Typed Name

10/27/2011  
Date Application Signed

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

PATENT APPLICATION

RECORD ID: 82756895

ASSIGNMENT OF PATENT APPLICATION (cont.)

*Shih-Yuan Wang*

Inventor's Signature

*Feb 16, 2012*

Date Assignment Signed

Shih-Yuan Wang

Inventor's Typed Name

09/28/2011

Date Application Signed

*Abratkowski*

Inventor's Signature

*Feb 18, 2012*

Date Assignment Signed

Alexandre M Bratkovski

Inventor's Typed Name

09/28/2011

Date Application Signed

*Wayne V Sorin*

Inventor's Signature

*2/16/12*

Date Assignment Signed

Wayne V Sorin

Inventor's Typed Name

09/29/2011

Date Application Signed

Inventor's Signature

Date Assignment Signed

Michael Josef Stuke

Inventor's Typed Name

09/28/2011

Date Application Signed

Inventor's Signature

Date Assignment Signed

Inventor's Typed Name

Date Application Signed

Inventor's Signature

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Inventor's Typed Name


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3404 E. Harmony Road  
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## PATENT APPLICATION

RECORD ID: 82755895

## ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature	Date Assignment Signed
Shih-Yuan Wang	09/28/2011
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Alexandre M. Bratkovski	09/28/2011
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Wayne V. Sorin	09/28/2011
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