#### PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Assignment: 1 Assignors Exec Dt: 10/13/2011 should be 10/31/2011 for both inventors previously recorded on Reel 027298 Frame 0796. Assignor(s) hereby confirms the Zhou, Dacheng Exec Dt: 10/31/2011 Berkram, Daniel Alan Exec Dt: 10/31/2011.	

#### **CONVEYING PARTY DATA**

Name	Execution Date	
Dacheng Zhou	10/31/2011	
Daniel Alan Berkram	10/31/2011	

### **RECEIVING PARTY DATA**

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

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13285293

#### CORRESPONDENCE DATA

Fax Number: (970)778-4063 (541)715-8443 Phone: Email: terri.tuma@hp.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US

Mail.

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: Kathy L. Hungsberg

#### Total Attachments: 4

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> **PATENT** REEL: 027365 FRAME: 0707

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

PATENT	

RECORD ID: 82816579
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# 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 I Texas, (hereinafter HPDC), in furtherance of my/our obligation subsidiaries and affiliates, and do hereby assign and transfer to HI title and interest, including the right of priority, in, to and under an entitled:	ons to the Hewlett-Packard Company and its PDC, its successors and assigns, the entire right,
Receiver With Tap-Coefficient Adjustments	
Filing Date: 2011-Oct-31  Applic and the invention(s) and improvement(s) set forth therein, and any P's), divisionals, and renewals of and substitutes for said application Patent of the United States and of countries foreign thereto which reissues, or reexaminations, or extensions of said Letters Patent.  If we additionally authorize HPDC to file applications in my held and enjoyed by HPDC, its successors, assigns, nominees or I terms for which said Letters Patent respectively may be granted, same would have been held and enjoyed by me/us had this assigns AND I/we hereby covenant that I/we have full right to confidence in the confidence of executed and will not execute any agreement in confidence.	on for said Letters Patent, and any and all Letters h may be granted thereon or therefore; and any four name for Letters Patent in any country, to be egal representatives, to the full end of the lerm or reissued or extended, as fully and entirely as the ment, and transfer not been made; vey the entire interest herein assigned, and that if
that I/we will, each time a request is made, and wilhout undue dela necessary or desirable to perfect the title to said invention(s) or i Patent, to HPDC, its successors, assigns, nominees or legal rep HPDC, or to its nominee, all known facts respecting said invention. Letters Patent, to testify in any legal proceedings, to sign all lawful continuations, C-I-P's, reissue and foreign applications, to make all do everything possible to aid HPDC, its successors, assigns, no enforce, for its or their own benefit, proper patent protection for signal by HPDC;	ry, execute and deliver all such papers as may be improvement(s), said application and said Letters resentatives, and I/we agree to communicate to n(s) or improvement(s), said application and said papers, to execute all disclaimers and divisionals, il rightful oaths and declarations, and generally to iminees and legal representatives to obtain and aid invention(s) or improvement(s) in any and all is in lending such cooperation and assistance are
AND I/we hereby authorize and request the Commissions and any official of any country or countries foreign to the Unit applications as aforesaid, to issue to HPDC, as assignee of the Patent for said invention(s) or improvement(s), including any and be issued and granted on or as a result of the application aforesaid I/we further authorize and direct the attorneys of record application now identified by the Record ID and title set forth abit known to them by the United States Patent and Trademark Office.	ed States whose duty it is to issue patents on entire right, title and interest, any and all Letters all Letters Patent of the United States which may , in accordance with the terms of this assignment. to insert the serial number and filing date of said
	10 - 31 - 2011
Inventor's Signature  Dacheng Zhou inventor's Typed Name	Date Assignment Signed  / C - 3 / - 2 - 1 /  Date Application Signed
Soventor's Signature	/{ - ] / - ] // Oate Assignment Signed
Osniel Alan Berkram Inventor's Typed Name	
Nev 0011 (Assignment) Page 1 of 1	m magati da <b>rese</b> ncim aranam si qara <b>sa</b> n garafi



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

DECEMBER 01, 2011

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.03635961A

RECORDS MANAGER
INTELLECTUAL PROPERTY ADMINISTRATION
HEWLETT-PACKARD COMPANY
3404 E. HARMONY ROAD, MAIL STOP 35
FORT COLLINS, CO 80528

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RECORDATION DATE: 11/04/2011

REEL/FRAME: 027298/0796

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 82816579

ASSIGNOR:

ZHOU, DACHENG

DOC DATE: 10/13/2011

ASSIGNOR:

BERKRAM, DANIEL ALAN

DOC DATE: 10/13/2011

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HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.
11445 COMPAQ CENTER DRIVE WEST HOUSTON, TEXAS 77070

P.O. Box 1450, Alexandria, Virginia 22313–1450 - www.uspro.gov REEL: 027365 FRAME: 0709 027298/0796 PAGE 2

APPLICATION NUMBER: 13285293 FILING DATE: 10/31/2011

PATENT NUMBER: ISSUE DATE: TITLE: RECEIVER WITH TAP-COEFFICIENT ADJUSTMENTS

TONYA LEE, EXAMINER
ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

PATENT REEL: 027365 FRAME: 0710

# 11/07/2011

Clifton L. Anderson 2011-Oct-31 Name of Person Signing Signature 11 FC:8021 Qate IA  Total number of pages including ∞versheet, attachments, and documents: 2	ATTORNEY DOCKET NO	82816579			atent and Tradem	ark Office
PATENTS ONLT	11.16-11	RECO		103635961		
Dacheng Zhou  Daniel Alan Berkram  HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P. 11445 Compaq Center Drive West Houston, TX 77070  Additional name(s) of conveying party(ies) attached?   yes   No   Nature of Conveyance:   Ansignment   Merger   Change of Name   Security Agreement   Joint	11-7:11		*		•	1
Daniel Alan Berkram    HeWit ETT PACKARD DEVELOPMENT COMPANY, L.P.	Name of conveying part	ty(ies):		2. Name and address of recei	ving party(ies):	
Additional name(s) of conveying party(ies) attached?   Yes   No   Additional name(s) and address(es) attached?   Yes   Sho   Additional name(es) and address(e	Dacheng Zhou	•		HEW ETT DACKARD DEVE		V I D
Assignment	Daniel Alan Berkram			11445 Compaq Center Drive		ion Branc
3. Nature of Conveyance:  Assignment					5th Floor	3 5
Security Agreement	Additional name(s) of convey	ying party(ies) attached?	☐Yes ☐No	Additional name(s) and address(e	s) attached? 🔲 Yes 🗵	No
Execution Date(s): 2011-Oct-31, 2011-Oct-31  4. Application number(s) or patent number(s):  If this document is being filed together with a new application, execution date of the application is:  A. Patent Application No. (s) Application No.: 13/285,293  Date Filed: 2011-Oct-31  Confirmation No.: 3079  B. Patent No.(s):  Additional numbers attached? NO  5. Name and address of party to whom correspondence concerning document should be mailed:  7. Total Fee (37 CFR 3.41):\$40.00  Enclosed  Intellectual Property Administration  HEWLETT-PACKARD COMPANY 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528  9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Clifton L. Anderson  Name of Person Signing  Total number of pages including coversheet, attachments, and documents: 2	3. Nature of Conveyance:					
Execution Date(s):2011-Oct-31, 2011-Oct-31  4. Application number(s) or patent number(s):  If this document is being filed together with a new application, execution date of the application is:  A. Patent Application No.(s) Application No.: 13/285,293  Date Filed: 2011-Oct-31  Confirmation No.: 3079  B. Patent No.(s):  Additional numbers attached? NO  5. Name and address of party to whom correspondence concerning document should be mailed:  7. Total Fee (37 CFR 3.41):\$40.00  Enclosed  Intellectual Property Administration HEWLETT-PACKARD COMPANY 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528  9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Clifton L. Anderson Name of Person Signing  Total number of pages including coversheet, attachments, and documents: 2	★ Assignment	☐Merger	☐Change of	of Name Security A	greement	Joint
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Records Manager Intellectual Property Administration HEWLETT-PACKARD COMPANY 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528  8. Deposit Account Number: 08-2025  Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Clifton L. Anderson Name of Person Signing  Total number of pages including coversheet, attachments, and documents: 2	•	-			<del></del>	•
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Page 1 of 1						450

Rev 05/09 (RecdAsgn)

RECORDED: 12/12/2011

PATENT REEL: 027365 FRAME: 0711