502565291 11/12/2013

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2611073

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TONY S. CRUZ-URIBE	06/24/2011
JOSEPH E. SCHEFFELIN	06/25/2011
TSUYOSHI YAMASHITA	06/28/2011
SILAM J. CHOY	06/24/2011

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

Property Type	Number
Application Number:	14117053

CORRESPONDENCE DATA

Fax Number: (970)778-4063 Phone: (541)715-8443

Email: pto.assignments@hp.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

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:	ERRI WALKER
Signature: /Terri Walker/	Signature:	Ferri Walker/

PATENT REEL: 031581 FRAME: 0237

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Date:	11/12/2013
Total Attachments: 4 source=83730943 - Assignment#page1.tif source=83730943 - Assignment#page2.tif source=83730943 - Assignment#page3.tif source=83730943 - Assignment#page4.tif	

PATENT REEL: 031581 FRAME: 0238 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

Rev 05/10 (Assignment)

PATENT APPLICATION

PATENT REFERENCE:

700205733

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,

subsidiaries and affiliates, and do hereby assign an	ny/our obligations to the Hewlett-Packard Company and its d transfer to HPDC, its successors and assigns, the entire right, and under an application for Letters Patent of the United States
Filing Date: June 29, 2011	Application No.: PCT/US2011/042265
P's), divisionals, and renewals of and substitutes for Patent of the United States and of countries foreignessues, or reexaminations, or extensions of said Large additionally authorize HPDC to file apheld and enjoyed by HPDC, its successors, assigns terms for which said Letters Patent respectively mesame would have been held and enjoyed by me/us AND I/we hereby coverant that I/we have we have not executed and will not execute any agrithat I/we will, each time a request is made, and with necessary or desirable to perfect the title to said in Patent, to HPDC, its successors, assigns, nomine HPDC, or to its nominee, all known facts respectin Letters Patent, to testify in any legal proceedings, to continuations. C-I-P's, reissue and foreign applicated to everything possible to aid HPDC, its successor enforce, for its or their own benefit, proper patent countries provided the expenses which may be incopaid by HPDC. AND I/we hereby authorize and request the and any official of any country or countries foreign applications as aforesaid, to issue to HPDC, as a Patent for said invention(s) or improvement(s), include issued and granted on or as a result of the application now identified by the attorney docket in been made known to them by the United States Patent Patent III and the III and II	plications in my/our name for Letters Patent in any country, to be a nominees or legal representatives, to the full end of the term or any be granted, reissued or extended, as fully and entirely as the had this assignment, and transfer not been made; full right to convey the entire interest herein assigned, and that the element in conflict herewith, and I/we further covenant and agree to the nout undue delay, execute and deliver all such papers as may be envention(s) or improvement(s), said application and said Letters are or legal representatives, and I/we agree to communicate to a sign all lawful papers, to execute all disclaimers and divisionals, ons, to make all rightful oaths and declarations, and generally to ons, to make all rightful oaths and declarations, and generally to ons, assigns, nominees and legal representatives to obtain and protection for said invention(s) or improvement(s) in any and all curred by me/us in lending such cooperation and assistance are e-Commissioner of Patents and Trademarks of the United States of the United States of the United States are using any and all Letters Patent of the United States which may cation aforesaid, in accordance with the terms of this assignment, news of record to insert the serial number and filing date of said umber and title set forth above as soon as the same shall have
Inventor's Stanature	
Tony S. Cruz-Uribe	6-34-3011
Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
Joseph E. Scheffelin Inventor's Typed Name	Date Application Signed
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Page 1 of 2

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

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PATENT REFERENCE:	700205733
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ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD 3 8

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:		
PIEZOELECTRIC INKJET DIE STACK		
Filing Date: Applicati	on No.:	
and the invention(s) and improvement(s) set forth therein, and any a Ps), divisionals, and renewals of and substitutes for said application to	nd all continuations, continuations-in-part (C-I- for said Letters Patent, and any and all Letters	
Patent of the United States and of countries foreign thereto which nareissues, or reexaminations, or extensions of said Letters Patent.	nay be granted thereon or therefore; and any	
I/we additionally authorize HPDC to file applications in my/ou held and enjoyed by HPDC, its successors, assigns, nominees or legal		
terms for which said Letters Patent respectively may be granted, reis	isued or extended, as fully and entirely as the	
same would have been held and enjoyed by me/us had this assignme. AND I/we hereby covenant that I/we have full right to convey	nt, and transfer not been made; the antire 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, necessary or desirable to perfect the title to said invention(s) or imp	execute and deliver all such papers as may be rovement(s), said application and said Letters	
Patent, to HPDC, its successors, assigns, nominees or legal repres	sentatives, and t/we agree to communicate to	
HPDC, or to its nominee, all known facts respecting said invention(s). Letters Patent, to testify in any legal proceedings, to sign all lawful pay		
continuations, C-I-P's, reissue and foreign applications, to make all ri-	ghtful oaths and declarations, and generally to	
do everything possible to aid HPDC, its successors, assigns, nomi- 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 or		
and any official of any country or countries foreign to the United applications as aforesaid, to issue to HPDC, as assignee of the ent		
Patent for said invention(s) or improvement(s), including any and all		
be issued and granted on or as a result of the application aforesaid, in I/we further authorize and direct the attorneys of record to	accordance with the terms of this assignment.	
application now identified by the attorney docket number and title se	it forth above as soon as the same shall have	
been made known to them by the United States Patent and Trademan	k Office	
Inventor's Signature	Date Assignment Signed	
macing 2 officials	Date Leading and addings	
Tony S. Cruz-Uribe Inventor's Typed Name	Date Application Signed	
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CANE KWW	- K128/11	
Africanica's Signature	Date Assignment Signed	
	(138/1/)	
Joseph E. Scheffelin	Prote Application Clarent	

Inventor's Typed Name

Date Application Signed

Rev 05/10 (Assignment)

Page 1 of 2

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

PATENT APPLICATION

PATENT REFERENCE: 700205733

ASSIGNMENT OF PATENT APPLICATION (cont.)

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Inventor's Signéture	Date Assignment Signed
Tsuyoshi Yamashita	6/28/2011
Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
Silam J. Choy Inventor's Typed Name	Date Application Signed
modula () pour trains.	Date Application Signed
Inventor's Signature	Clate Assistant Cineral
naeuro a ciduamic	Date Assignment Signed
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Inventor's Signature	Date Assignment Signed
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:__

700205733

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature	Date Assignment Signed
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Tsuyoshi Yamashita	
Inventor's Typed Name	Date Application Signed
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Inventor's Signature	Date Assignment Signed
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Silam J. Choy Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
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Rev 06/10 (Assignment)

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