PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Donald Geoffrey Schuller	11/09/2011
Vinicio Vazquez	11/10/2011
Dave Shih	11/09/2011
Josh D Williams	11/09/2011

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:	29406323

CORRESPONDENCE DATA

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

Total Attachments: 6

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REEL: 027229 FRAME: 0587

PATENT

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> PATENT REEL: 027229 FRAME: 0588

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

(lov 09/11 (Assignment)

PATENT	APPL	JCA	TION

ECORD ID: 82849007

ASSIGNMENT OF PATENT APPLICATION

R

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 antitled:

COMPUTER-GENERATED LAYOUT FOR AN APPLICATION CATALOG INTERFACE FOR A COMPUTING DEVICE

Filing Date:	November 11, 20		oplication h	¥U	29/406,3	
and the invention(s) and improvement(s) set	forth therein, and	any and a	II continuation	s, continuati	ons-in-part (C-I-
P's), divisionals, an	d renewals of and substit	utes for said appli	ication for s	aid Letters Pa	tent, and an	y and all Letters
Patent of the Unite	d States and of countries	s foreign thereto '	which may	be granted th	ereon or the	refore; and any
reissues, or reexem	inations, or extensions of	said Letters Pate	nt.			

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 parfect 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 de 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 seld 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.

Donald MM Street	- November 9, 204
Inventor's Signature	Date Assignment Signed
Donald Geoffrey Schuller	
Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
Vinicio Vazquez	
Inventor's Typed Name	Date Application Signed

ASSIGNMENT OF PATENT APPLICATION (cont.)

HEWLETT-PACKARD COMPANY Intelloctual Property Administrator 3404 E. Harmony Road Mail Stop 36 Fort Collins, Colorado 80528

PATENT APPLICATION

82849007

RECORD ID:

Date Assignment Signed

Date Application Signed

Date Assignment Signed

Date Application Signed

Inventor's Signature	Date Assignment Signed
Dave Shih Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
Josh D. Williams Inventor's Typed Name	Date Application Signed
Inventor's Signaturo	Date Assignment Signed
Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
Inventor's Typed Namo	Date Application Signed

Ray 09/11 (Analgament)

Inventor's Signature

Inventor's Typed Name

Inventor's Signature

Inventor's Typed Name

Page 2 of 2

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

RECORD ID:	82849007
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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 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:

title and interest, including the right of priority, in, to and under an a entitled:		
COMPUTER-GENERATED LAYOUT FOR AN APPLICATION CAT DEVICE	ALOG INTERF	FACE FOR A COMPUTING
Filing Date: November 11, 2011 Applica	ation No.:	29/406,323°
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. I/we additionally authorize HPDC to file applications in my/held and enjoyed by HPDC, its successors, assigns, nominees or leterms for which said Letters Patent respectively may be granted, resame would have been held and enjoyed by me/us had this assignm. AND I/we hereby covenant that I/we have full right to convive we have not executed and will not execute any agreement in conflict 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 in Patent, to HPDC, its successors, assigns, nominees or legal repressionally to the HPDC, or to its nominee, all known facts respecting said invention Letters Patent, to testify in any legal proceedings, to sign all lawful procentinuations, C-I-P's, reissue and foreign applications, to make all do everything possible to aid HPDC, its successors, assigns, nor enforce, for its or their own benefit, proper patent protection for sa countries provided the expenses which may be incurred by me/us paid by HPDC; AND I/we hereby authorize and request the Commissioner and any official of any country or countries foreign to the Unite applications as aforesaid, to issue to HPDC, as assignee of the e Patent for said invention(s) or improvement(s), including any and a be issued and granted on or as a result of the application aforesaid, I/we further authorize and direct the attorneys of record to application now identified by the Record ID and title set forth above known to them by the United States Patent and Trademark Office.	n for said Letter may be granted a may be granted our name for Letters and transfer the entire into the entire, and on provement(s), esentatives, and (s) or improven apers, to executing the entire in ending such of Patents and distates whose the entire right, title it Letters Patenter in accordance we insert the serion as soon as the entire end of the ending such insert the serion accordance we as soon as the entire end of the ending such insert the serion accordance we as soon as the entire end of the end of the entire end of the entire end of the entire end of the end of the entire end of the entire end of the entire end of the end of t	rs Patent, and any and all Letters ed thereon or therefore; and any etters Patent in any country, to be lives, to the full end of the term of inded, as fully and entirely as the er not been made; terest herein assigned, and that is live further covenant and agree deliver all such papers as may be said application and said Letters and I/we agree to communicate to enent(s), said application and said letter all disclaimers and divisionals and declarations, and generally to representatives to obtain and or improvement(s) in any and all a cooperation and assistance are Trademarks of the United States e duty it is to issue patents on and interest, any and all Letters to fithe United States with the terms of this assignment all number and filling date of said the same shall have been made
Inventor's Signature	Date Assignm	rent Signed
Donald Geoffrey Schuller		an kan ma'nan Nawa da ma'n ka ka ka ka kan man na PP na maka a asa asa asa asa asa a paga PP na na PP na na PP
Inventor's Typed Name	Date Applicat	110/11
Inventor's Signature	Date Assignm	
Vinicio Vazquez		110/11
nventor's Typed Name	Date Applicati	on Signed

Rev 09/11 (Assignment)

Page 1 of 2

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35

PATENT APPLICATION

Mail Stop 35	RECORD ID: 82849007
Fort Collins, Colorado 80528 ASSIGNMEN	T OF PATENT APPLICATION (cont.)
	(and the second
Inventor's Signature	Date Assignment Signed
Dave Shih	
Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
Josh D. Williams Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
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Inventor's Typed Name	Date Application Signed
Inventor's Signature	Date Assignment Signed
Inventor's Typed Name	Date Application Signed

Page 2 of 2

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

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RECORD ID:	82849007
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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 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:

title and interest, including the right of priority, in, to and under an appentitled: COMPUTER-GENERATED LAYOUT FOR AN APPLICATION CATA DEVICE	
Na	ion No.: 29/406,323
and the invention(s) and improvement(s) set forth therein, and any a 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. I/we additionally authorize HPDC to file applications in my/ou held and enjoyed by HPDC, its successors, assigns, nominees or legiterms for which said Letters Patent respectively may be granted, reissame 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 we have not executed and will not execute any agreement in conflict 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 Patent, to HPDC, its successors, assigns, nominees or legal representation, to the successors, assigns, nominees or legal representation, to testify in any legal proceedings, to sign all lawful particulations, C-I-P's, reissue and foreign applications, to make all particulations, C-I-P's, reissue and foreign applications, to make all right of everything possible to aid HPDC, its successors, assigns, nomineenforce, for its or their own benefit, proper patent protection for said countries provided the expenses which may be incurred by me/us in 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 I 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 its application now identified by the Record ID and title set forth above known to them by the United States Patent and Trademark Office.	for said Letters Patent, and any and all Letters nay be granted thereon or therefore; and any are presentatives, to the full end of the term of several representatives, to the full end of the term of several or extended, as fully and entirely as the int, and transfer not been made; the entire interest herein assigned, and that I herewith, and I/we further covenant and agree execute and deliver all such papers as may be revernent(s), said application and said Letters entatives, and I/we agree to communicate to or improvement(s), said application and said pers, to execute all disclaimers and divisionals appliful oaths and declarations, and generally to be and legal representatives to obtain and invention(s) or improvement(s) in any and all lending such cooperation and assistance are I Patents and Trademarks of the United States States whose duty it is to issue patents or ire right, title and interest, any and all Letters Letters Patent of the United States which may accordance with the terms of this assignment, need to be a said the serial number and filing date of said
Inventor's Signature	Date Assignment Signed
Donald Geoffrey Schuller	
inventor's Typed Name	Date Application Signed
nventor's Signature	Date Assignment Signed
/inicio Vazquez	
nventor's Typed Name	Date Application Signed

Rev 09/11 (Assignment)

Page 1 of 2

PATENT REEL: 027229 FRAME: 0593 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35

PATENT APPLICATION

Mail Stop 35	RECORD ID:	82849007
Fort Collins, Colorado 80528		
ASSIGNMENT OF PATENT	APPLICATION (cont.)	
David DE	11/9/11	
Inventor's Signature	Date Assignment Sig	ned
Dave Shih		
Inventor's Typed Name	Date Application Sig	ned
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Inventor's Signature	Date Assignment Sig	ned
Josh D. Williams		
Inventor's Typed Name	Date Application Sig	ned
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Inventor's Signature	Date Assignment Sig	ned
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Inventor's Typed Name	Date Application Sign	ned
Inventor's Signature	Date Assignment Sig	ned
Inventor's Typed Name	Date Application Sign	ned
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Inventor's Signature	Date Assignment Sig	ned
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Inventor's Typed Name	Date Application Sign	
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