504616969 10/30/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHAWN E. REYNOLDS	04/30/2015
SHAUN WAKUMOTO	04/30/2015
JAY G. SCHUDEL	04/30/2015

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:	15567324	

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NAME OF SUBMITTER:	KATHY HUNGSBERG
SIGNATURE:	/Kathy Hungsberg/
DATE SIGNED:	10/30/2017

Total Attachments: 2

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PATENT 504616969 REEL: 043979 FRAME: 0196

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

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RECORD ID:	84171362
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ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each), for good and valuable consideration, the receipt of which is hereby acknowledged, and in furtherance of my/our obligations to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston. Texas. (hereinafter HPDC), and to its

subsidiaries and affiliates, agree to	assign and transfer and hereby as	istori, Texas, (hereinalier NPDC), and to its sign and transfer to HPDC, its successors and rity, in, to and under an application for Patent
UPLINK PORT OVERSUBSCRIPT	TION DETERMINATION	
Filing Date: 10/17/2017	Applicat	ion No.:15/567324
divisionals, and renewals of and si	ubstitutes for said application for s	d all continuations, continuations-in-part (C-I-P's), aid Patent, and any and all other Patent of any eissues, or reexaminations, or extensions of said
by HPDC, its successors, assigns,	nominees or legal representatives, t , reissued or extended, as fully and	for Patent in any country, to be held and enjoyed to the full end of the term or terms for which said entirely as the same would have been held and
executed and will not execute any a time a request is made, and without perfect the title to said invention(s) of nominees or legal representatives, a said invention(s) or improvement(s), papers, to execute all disclaimers rightful oaths and declarations, and and legal representatives to obtain a	greement in conflict herewith, and I/ undue delay, execute and deliver all or improvement(s), said application a and I/we agree to communicate to H said application and said Patent, to and divisionals, continuations, C-I-F generally to do everything possible and enforce, for its or their own bene untries provided the expenses who	ire interest herein assigned, and that I/we have no we further covenant and agree that I/we will, each such papers as may be necessary or desirable to nd said Patent, to HPDC, its successors, assigns PDC, or to its nominee, all known facts respecting testify in any legal proceedings, to sign all lawfure, reissue and foreign applications, to make all to aid HPDC, its successors, assigns, nominees fit, proper patent protection for said invention(s) or the protection for said invention for said invent
applications as aforesaid, to issue t	o HPDC, as assignee of the entire of the entire of the may be issued and granted or	or countries whose duty it is to issue patents or ight, title and interest, any and all Patent for said or as a result of the application aforesaid, in
		t the filling date and application number of said above, as soon as the same shall have been made
IN WITNESS WHEREOF, I/we	hereunto set my/our hand(s) and	seal(s):
Glan Ruge	len-	4/30/2015
Inventor's Signature		Date
Shawn E. R	eynolds	
***************************************	ast Name	
		04/30/015
Inventor's Signature		Date
Shaun V	/akumoto	
First/Middle Name La	sst Name	
Rev 8/2014 (Assignment)	Page 1 of 2	

PATENT REEL: 043979 FRAME: 0197 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35

PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528	REC	:ORD ID:	84171362
	SSIGNMENT OF PATENT APPLI	CATION (cont.)	
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Inventor's Signature	<u>U</u>	$\frac{4/30/3}{Date}$	2015
Jay G.	Schudel		
First/Middle Name	Last Name ,		
Inventor's Signature		Date	
First/Middle Name	Last Name		
Inventor's Signature		Date	
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Inventor's Signature		Date	
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Inventor's Signature		Date	
First/Middle Name	Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name.		

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