PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HARUMI KUNO	11/13/2013
GOETZ GRAEFE	11/13/2013

RECEIVING PARTY DATA

Name:	Hewlett-Packard Development Company, L.P.	
Street Address:	11445 Compaq Center Drive West	
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PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	15085403		

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NAME OF SUBMITTER:	JESSICA MANIA
SIGNATURE:	/Jessica Mania/
DATE SIGNED:	04/29/2016

Total Attachments: 1

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PATENT 503806141 REEL: 038422 FRAME: 0241

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

	APP		

RECORD ID:	83513384	

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree, that 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, to 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 Patent entitled:

entitled:			
ESTIMATING	DATA		
Filing Date:	April 28, 2016	Application No.:	15/085403
divisionals, an	ion(s) and improvement(s) set forth therein d renewals of and substitutes for said ap- to which may be granted thereon or theret	n, and any and all contir plication for said Patent	nuations, continuations-in-part (C-I-P's) and any and all other Patent of any
by HPDC, its :	ionally authorize HPDC to file applications in successors, assigns, nominees or legal rep ively may be granted, reissued or extende /us had this assignment, and transfer not be	resentatives, to the full e d, as fully and entirely a	end of the term or terms for which said
executed and time a request perfect the title nominees or le said invention papers, to ex- rightful oaths and legal repre- improvement(s	hereby covenant that I/we have full right to will not execute any agreement in conflict his made, and without undue delay, execute to said invention(s) or improvement(s), said again representatives, and I/we agree to come is) or improvement(s), said application and ecute all disclaimers and divisionals, continued and declarations, and generally to do every execute the second and all countries provided the indivisional and all countries provided the indivisional are paid by HPDC;	erewith, and I/we further and deliver all such paped application and said Pamunicate to HPDC, or to said Patent, to testify in mutions, C-I-P's, reissue thing possible to aid HP heir own benefit, proper	covenant and agree that I/we will, each ers as may be necessary or desirable to itent, to HPDC, its successors, assigns its nominee, all known facts respecting any legal proceedings, to sign all lawfu and foreign applications, to make all DC, its successors, assigns, nominees patent protection for said invention(s) or
applications a invention(s) o	hereby authorize and request the official of s aforesaid, to issue to HPDC, as assignee r improvement(s) which may be issued a of the terms of this assignment.	of the entire right, title a	and interest, any and all Patent for said
I/we furth application for known to them	ner authorize and direct the attorneys of r Patent, now identified by the Record ID and I.	ecord to insert the filing title set forth above, as s	date and application number of said oon as the same shall have been made
IN WITN	ESS WHEREOF, I/we hereunto set my/ou	r hand(s) and seal(s):	
W	ature	H)	13/2013
Inventor's Sign	ature	Date	
Harumi Kuno Inventor's Type	ed Name	·····	
	Joh Graile		os 13, 2013
Inventor's Sign	ature // //	Date	
Goetz Graefe	vé Mana		
Inventor's Type			
Rev 1/ 2013 (Assig	nment) Pa	ge 1 of 1	

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