503950114 08/08/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3996770

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KRZYSZTOF NAUKA	09/18/2014
HOWARD S. TOM	09/18/2014
HOU T. NG	09/18/2014

RECEIVING PARTY DATA

Name:	Hewlett-Packard Development Company, L.P.		
Street Address:	1445 Compaq Center Drive West		
City:	Houston		
State/Country:	TEXAS		
Postal Code:	77070		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15110754

CORRESPONDENCE DATA

Fax Number: (970)778-4063

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (541)715-8443

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Correspondent Name: HP INC.

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Address Line 2: INTELLECTUAL PROPERTY

Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	84497610
NAME OF SUBMITTER:	JULIA CHURCH DIERKER
SIGNATURE:	/Julia Church Dierker, Reg. No. 33368/
DATE SIGNED:	08/08/2016

Total Attachments: 2

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PATENT 503950114 REEL: 039369 FRAME: 0196

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

Rev 8/2014 (Assignment)

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RECORD ID:	83784764
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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

subsidiaries and affiliates.	agree to assign and transfe	er and hereby assign and	xas, (hereinafter HPDC), and to its transfer to HPDC, its successors and and under an application for Patent
GENERATING THREE-DI	MENSIONAL OBJECTS		
Filing Date: 31 Jan 2014		Application No.:	PCT/US2014/014044
divisionals, and renewals of	of and substitutes for said	application for said Pateni	nuations, continuations-in-part (C-I-P's), t, and any and all other Palent of any or reexaminations, or extensions of said
by HPDC, its successors, a	issigns, nominees or legal i granted, reissued or exten	epresentatives, to the full ded, as fully and entirely a	it in any country, to be held and enjoyed end of the term or terms for which said is the same would have been held and
executed and will not executime a request is made, and perfect the title to said invenominees or legal represensaid invention(s) or improve papers, to execute all discrightful oaths and declarational legal representatives to	te any agreement in conflict without undue delay, execution(s) or improvement(s), statives, and I/we agree to coment(s), said application are laimers and divisionals, coons, and generally to do evolutional or all countries provided the	t herewith, and I/we further ute and deliver all such pap said application and said P ommunicate to HPDC, or to d said Patent, to testify in ntinuations, C-I-P's, reissu erything possible to aid Hf or their own benefit, proper	therein assigned, and that I/we have not covenant and agree that I/we will, each ers as may be necessary or desirable to atent, to HPDC, its successors, assigns, o its nominee, all known facts respecting any legal proceedings, to sign all lawful e and foreign applications, to make all PDC, its successors, assigns, nominees patent protection for said invention(s) or be incurred by me/us in lending such
applications as aforesaid, t	o issue to HPDC, as assign nt(s) which may be issued	ee of the entire right, title	ies whose duty it is to issue patents on and interest, any and all Patent for said result of the application aforesaid, in
I/we further authorize application for Patent, now known to them.	and direct the attorneys o identified by the Record ID a	f record to insert the filin and title set forth above, as	g date and application number of said soon as the same shall have been made
IN WITNESS WHERE	DF, I/we hereunto set my/	our hand(s) and seal(s):	
Cu SA	Nolu		09/18/2017
Inventor's Signature		Date	· · · · · · · · · · · · · · · · · · ·
Krzysztof	Nauka		
First/Middle Name	Last Name		
L.L.	and the second		9-18-14
Inventor's Signature		Date	<u> </u>
Howard 5.	Tom		
First/Middle Name	Last Name	Octobrania	

PATENT REEL: 039369 FRAME: 0197 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35

PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528		RECORD ID:	83784764
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Hou T. First/Middle Name	Ng Last Name		
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First/Middle Name	Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name	<u></u>	
Inventor's Signature		Date	
First/Middle Name	Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name		
Inventor's Signature	<u></u>	Date	
First/Middle Name	Last Name		

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