504330075 04/20/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT4376761 Stylesheet Version v1.2

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HOU T. NG	09/30/2014
ALI EMAMJOMEH	09/30/2014
EDWARD DALE DAVIS	03/07/2017

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:	15510122

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.

Correspondent Name: HP INC.

Address Line 1: 3390 E. HARMONY ROAD MS 35
Address Line 2: INTELLECTUAL PROPERTY

Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	84596403
NAME OF SUBMITTER:	JULIA CHURCH DIERKER
SIGNATURE:	/Julia Church Dierker, Reg. No. 33368/
DATE SIGNED:	04/20/2017

Total Attachments: 3

source=HPC957AUS_84596403_Executed_Assignment_HP#page1.tif source=HPC957AUS_84596403_Executed_Assignment_HP#page2.tif source=HPC957AUS_84596403_Executed_Assignment_HP#page3.tif

PATENT 504330075 REEL: 042078 FRAME: 0939

initial ETT-PACKASI) COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Step 35 Fort Collins, Colorado 80508

20 6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		

microscope, a reduce the substitution of the		
4 E. Hannony Road		
Stap 35	RECORD ID:	84030561
Patrick Patricks and South		

ASSIGNMENT OF PATENT APPLICATION

We, the undersigned (each), for good and valuable consignation, the receipt of which is hereby acknowledged, and in furtherence of myour obligations to HEVILET-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (increasing HPDC), and to its substitutions and affiliables, agree to assign and transfer and hereby assign and transfer to HPDC, its successors and assigns, the entire right life and interest, including the right of priority, in, to and under an application for Patent entired.

entitied		
PARTICLE COMPOSIT	YONS FOR THREE COMENS	ONAL PRINTING
March	9, 2017	Application No.: 15/510,122
divisionals, and renewa	s of and substitutes for said	ein, and any and all continuations, continuations-in-part (C-1-)'s) application for said Palent, and any and all other Palent of any residences, or recommendations, or extensions of said
by HPOC, its successor Patent respectively may	s, assigns, nomi cees or legal :	s in mylous name for Patant in any country, to be held and enjoyed specimenas, to the full end of the term or terms for which cast ded, we fully and entirely as the same would have been held end been made.
executed and will not ex- time a request is made, in particulative like to said in nominees or legal repre- times to execute all o righthicalities and decisi- and legal representatives improvement(s) in any cooperation and assistant	scute any agreement in conflict and without undus delay, exact vention(s) or improvement(s), exact vention(s), and twee agree to expendent(s), and application or incomes, and generally to do evictions, and generally to do evictions and enforce, for its cand all countries provided the called and called by HPDC;	O convey the entire interest herein seegred, and that live have not herewith, and live further coverient and agree that live will, each serol select all such papers as may be necessary or desirable to and application and said Patent, to HFDC, its auccessors, assigns influenced to HPDC, or to its nominee, all known facts respecting to said Patent, to testify in any legal processings, to sign all lawful threations. CHP's resistue and foreign applications, to make all stylling possible to aid HPDC, its successors, assigns, nominees it their own benefit, proper potent protection for said evention(s) as expenses which may be incurred by make in lending such
applications as altreasing	i, to see <mark>s to HPDC,</mark> as assign sect(s) which may be issued	of of any country or countries whose study it is to issue patents or the of the entire right, little and interest, any and all Patent for and and granted on or as a result of the application allowessid, in
live further authori application for Palant, no known to them.	to and direct the alternage on with the Record ID a	record to insert the filing data and application number of said and with said to the base three made
IN WITHESS WHE	EOF, Vwe bereanto set my/o	au band(s) and seal(s):
		V30144
market & Comment		Daix
Hou T.	Ng	
First/Riccisic Nume	Last Name	
see other sheet		
Inventor's Signature		Co//
Ali	Enternjomeis	
Cart/Michille Marco	Loss Warne	
For \$2014 (houghnost)	¥	ingo tof 2

Page 1 of 3

PATENT REEL: 042078 FRAME: 0940 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 Mail Fort C

Rev 8/2014 (Assignment)

A VOO!	

sense crobard vanisusance (
E. Harmony Road		21.2.2.2.2.2.2.2.3
Step 35	RECORD IO:	84030561
Collins, Colorado 83528	"	

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, i.P., a Texas

subsiciaries and affiliates, agree	a to assign and transfer and here	Houston, Texas, (hereinatter HMCC), and to its by assign and transfer to HPCC, its successors and f priority, in, to and under an application for Paten
PARTICLE COMPOSITIONS F	OR THREE-DIMENSIONAL PRI	NTING
Filing Date:	Арг	elication No.:
divisionals, and renewals of and	I substitutes for said application	y and all continuations, continuations-in-part (C-I-P's) for said Patent, and any and all other Patent of any any reissues, or reexaminations, or extensions of said
by HPOC, its successors, assign Patent respectively may be gran	is, nominees or legal representati	name for Patent in any country, to be held and enjoyed res, to the full end of the term or terms for which sain and entirely as the same would have been held and
executed and will not execute an time a request is made, and with perfect the title to said invention; nominaes or legal representative said invention(s) or improvement papers, to execute all disclaime rightful paths and declarations, and legal representatives to obtain	y agreement in conflict herewith, a put undus delay, execute and delivations or improvement(s), said applica- s, and I/we agree to communicate (s), said application and said Paters and divisionals, continuations, and generally to do everything posi- in and enforce, for its or their own countries provided the expenses	e entire interest herein assigned, and that I/we have no ind I/we further covenant and agree that I/we will, each er all such papers as may be necessary or desirable to ion and said Patent, to HPDC, its successors, assigns to HPDC, or to its nomines, all known facts respecting int, to testify in any legal proceedings, to sign all lawfu C-I-P's, reissue and foreign applications, to make a isible to aid HPDC, its successors, assigns, nomineed benefit, proper patent protection for said invention(s) or which may be incurred by me/us in tending such
applications as aforesaid, to issu	e to HPDC, as assignee of the er which may be issued and grant	untry or countries whose duty it is to issue patents or nire right, title and interest, any and all Patent for sax ed on or as a result of the application aforesaid, in
		insert the filing date and application number of said orth above, as soon as the same shall have been made
IN WITNESS WHEREOF, I/A	ve hereunto set my/our hand(s)	and seal(s):
see other sheet		
inventor's Signature	*************************************	Cate
Hou T.	Ng	
First/Middle/lame	Last Name	
ment A A A A A A A A A A A A A A A A A A A		
Ali	Emamiomeh	
Frst/Middle Name	Last Name	

Page 1 of 2

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort College, Colorado 80328

PATENT APPLICATION

RECORD ID:	84030561

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature		······	Date
Alejandro Manuel	De Pena		
First/Middle Name	Last Name		
Zway Di	<u> le Dain</u>		7-March - 2017
Edward Dale	Davis		
First/Middle Name	Last Name		
Inventor's Signature			Date
First/Middle Name	Last Name		
Inventor's Signature			Date
First/Middle Name	Last Name		_
Inventor's Signature			
			_
First/Middle Name	Last Name		
inventor's Signature			Date
First/Middle Name	Last Name		
Rev 8/2014 (Assignment)		Page 2 of 2	

Page 3 of 3

PATENT REEL: 042078 FRAME: 0942

Rev 8/2014 (Assignment)

RECORDED: 04/20/2017