505486190 05/21/2019

EPAS ID: PAT5532994

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WEI HUANG	02/13/2017
LIHUA ZHAO	01/31/2017
GARY J. DISPOTO	01/27/2017

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:	16462679

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 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER: 85736663

NAME OF SUBMITTER: TRACY J. KIMMEL

SIGNATURE: /Tracy J. Kimmel/

DATE SIGNED: 05/21/2019

Total Attachments: 3

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PATENT 505486190 REEL: 049240 FRAME: 0507

HP Inc.	
3390 E. Harmony Road	
Mail Stop 35	
Fort Collins, Colorado 80528	RECORD II

Rev 8/2014 (Assignment)

84570203

PATENT APPLICATION

ASSIGNMENT OF PATENT APPLICATION

and in furtherance of my/our Limited Partnership having its subsidiaries and affiliates, agree	obligations to HEWLETT principal place of busin to assign and transfer an	onsideration, the receipt of which is hereby acknowledged, PACKARD DEVELOPMENT COMPANY, L.P., a Texas ess in Houston, Texas, (hereinafter HPDC), and to its d hereby assign and transfer to HPDC, its successors and ight of priority, in, to and under an application for Patent
3D PRINTED OBJECT WITH E	MBEDDED SENSING DE	/ICE
Filing Date: February 14, 2	2017	Application No.: PCT/US2017/017825
divisionals, and renewals of and	substitutes for said applic	and any and all continuations, continuations-in-part (C-I-P's) action for said Patent, and any and all other Patent of any and any reissues, or reexaminations, or extensions of said
by HPDC, its successors, assigna	s, nominees or legal repres led, reissued or extended,	ny/our name for Patent in any country, to be held and enjoyed centatives, to the full end of the term or terms for which said as fully and entirely as the same would have been held and made;
executed and will not execute any time a request is made, and without perfect the title to said invention(s nominees or legal representatives said invention(s) or improvement(papers, to execute all disclaimer rightful oaths and declarations, an legal representatives to obtain an	y agreement in conflict here out undue delay, execute an b) or improvement(s), said a b, and I/we agree to commu c(s), said application and sai rs and divisionals, continua d generally to do everything nd enforce, for its or their ntries provided the expense	vey the entire interest herein assigned, and that I/we have no with, and I/we further covenant and agree that I/we will, each deliver all such papers as may be necessary or desirable to pplication and said Patent, to HPDC, its successors, assigns nicate to HPDC, or to its nominee, all known facts respecting d Patent, to testify in any legal proceedings, to sign all lawfutions, C-I-P's, reissue and foreign applications, to make all possible to aid HPDC, its successors, assigns, nominees and own benefit, proper patent protection for said invention(s) os which may be incurred by me/us in lending such cooperation
applications as aforesaid, to issue	e to HPDC, as assignee of which may be issued and	thy country or countries whose duty it is to issue patents or the entire right, title and interest, any and all Patent for said granted on or as a result of the application aforesaid, in
		ord to insert the filing date and application number of said e set forth above, as soon as the same shall have been made
IN WITNESS WHEREOF, I/w	ve hereunto set my/our h	and(s) and seal(s):
IN WITNESS WHEREOF, I/W		02/13/2017
Inventor's Signature		Date
Wei	HUANG	
First/Middle Name	Last Name	
Inventor's Signature		Date
Lihua	ZHAO	
First/Middle Name	Last Name	

Page 1 of 2

PATENT REEL: 049240 FRAME: 0508

HP Inc.			PATENT APPLICATION
3390 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528		RECORD ID:	84570203
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and in furtherance of my Limited Partnership having subsidiaries and affiliates.	l (each), for good and value y/our obligations to HEWI ng its principal place of agree to assign and trans	LETT-PACKARD DEVELOR business in Houston, Text fer and hereby assign and to	pt of which is hereby acknowledged, PMENT COMPANY, L.P., a Texas as, (hereinafter HPDC), and to its ransfer to HPDC, its successors and and under an application for Patent
3D PRINTED OBJECT W	ITH EMBEDDED SENSIN		
Filing Date: Febru	ary 14, 2017	Application No.: _	PCT/US2017/017825
divisionals, and renewals	of and substitutes for said	application for said Patent,	uations, continuations-in-part (C-I-P's) and any and all other Patent of any reexaminations, or extensions of said
by HPDC, its successors, Patent respectively may be	assigns, nominees or legal	representatives, to the full ended, as fully and entirely as	in any country, to be held and enjoyed nd of the term or terms for which said the same would have been held and
executed and will not executime a request is made, an perfect the title to said invenominees or legal represers aid invention(s) or improvements, to execute all disrightful oaths and declaration legal representatives to ob-	ute any agreement in conflict without undue delay, execution(s) or improvement(s), ntatives, and I/we agree to dement(s), said application acclaimers and divisionals, coms, and generally to do ever all countries provided the exall countries provided the exall countries provided the	at herewith, and I/we further of ute and deliver all such paper said application and said Pat ommunicate to HPDC, or to it and said Patent, to testify in a untinuations, C-I-P's, reissue ything possible to aid HPDC, their own benefit, proper pa	nerein assigned, and that I/we have no covenant and agree that I/we will, each re as may be necessary or desirable to tent, to HPDC, its successors, assigns its nominee, all known facts respecting ny legal proceedings, to sign all lawful and foreign applications, to make all its successors, assigns, nominees and tent protection for said invention(s) or dispute the protection for said invention for sa
applications as aforesaid,	to issue to HPDC, as assign int(s) which may be issued	nee of the entire right, title as	s whose duty it is to issue patents or nd 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 of identified by the Record ID a	of record to insert the filing and title set forth above, as so	date and application number of sak oon as the same shall have been made
IN WITNESS WHERE	OF, I/we hereunto set my/	our hand(s) and seal(s):	
Inventor's Signature		Date	
Wei	HUANG		
First/Middle Name	Last Name	Pote	131/2017
Inventor's Signature Lihua	ZHAO	Date	ŧ .

PATENT REEL: 049240 FRAME: 0509

Last Name

First/Middle Name

Rev 8/2014 (Assignment)

HP Inc. 3390 E. Harmony Road

PATENT APPLICATION

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Gary J.	DISPOTO		
First/Middle Name	Last Name		
Inventor's Signature	·		
First/Middle.Name	Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name		
		v.	
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RECORDED: 05/21/2019

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