504305968 04/04/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4352649

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JINMAN KANG	07/29/2014
BEN WYNNE	07/29/2014
DAVID BRADLEY SHORT	07/31/2014
CHRISTOPHER S TANNER	07/29/2014

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	
PCT Number:	US2014049246	

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:	84592932
NAME OF SUBMITTER:	ANN WEBSTER JESUS
SIGNATURE:	/Ann Webster Jesus/
DATE SIGNED:	04/04/2017

Total Attachments: 4

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> PATENT REEL: 041849 FRAME: 0656

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

I/We, the undersigned (eac
and in furtherance of my/our
Limited Partnership having its

PATENT APPLICATION

RECORD	iD;	83960977
RECORD	iD;	83960977

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 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:

THREE DIMENSIONAL SCANNING SYSTEM AND FRAMEWORK

Fiting Date: July 31, 2014

Application No.: PCT/US2014/049246

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for said application for said Patent, and any and all other Patent of any countries thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said

I/we additionally authorize HPDC to file applications in my/our name for Patent in any country, to be held and enjoyed by HPDC, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Patent, to HPDC, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPDC, or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid HPDC, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HPDC;

AND liwe hereby authorize and request the official of any country or countries whose duty it is to issue patents on applications as aforesaid, to issue to HPDC, as assignee of the entire right, title and interest, any and all Patent for said invention(s) or improvement(s) which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct the attorneys of record to insert the filing date and application number of said application for Patent, now identified by the Record ID and title set forth above, as soon as the same shall have been made known to them.

IN WITNESS WHEREOF, I/we hereunto set m	y/our hand(s) ar	nd seal(s):
		07/2/14
Inventor's Signature .		Date /
Jinman Kang		
Inventor's Typed Name		
Inventor's Signature		Date
Ben Wynne		_
Inventor's Typed Name		
Rev 6/ 2014 (Assignment)	Page 1 of 2	

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80525

PAT	FNT	APPL	ICA	LTION

Mail Stop 35	RECORD ID: 63960917
Fort Collins, Colorado 80526	
	ASSIGNMENT OF PATENT APPLICATION
and in furtherance of my/our Limited Partnership having its subsidiaries and affiliates, agre	n), for good and valuable consideration, the receipt of which is hereby acknowledged, obligations to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas principal place of business in Houston, Texas, (hereinafter HPDC), and to itse to assign and transfer and hereby assign and transfer to HPDC, its successors and interest, including the right of priority, in, to and under an application for Patent
THREE DIMENSIONAL SCAN	NING SYSTEM AND FRAMEWORK
Filing Date:	Application No.:
divisionals, and renewals of and	ement(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's), it substitutes for said application for said Patent, and any and all other Patent of any granted thereon or therefore; and any reissues, or reexaminations, or extensions of said
by HPDC, its successors, assign Patent respectively may be gran	PDC to file applications in my/our name for Patent in any country, to be held and enjoyed as, nominees or legal representatives, to the full end of the term or terms for which said sted, reissued or extended, as fully and entirely as the same would have been held and iment, and transfer not been made;
executed and will not execute ar time a request is made, and with perfect the title to said invention(nominees or legal representative said invention(s) or improvement papers, to execute all disclaime rightful oaths and declarations; and legal representatives to obta	that live have full right to convey the entire interest herein assigned, and that live have not by agreement in conflict herewith, and live further covenant and agree that live will, each out undue delay, execute and deliver all such papers as may be necessary or desirable to s) or improvement(s), said application and said Patent, to HPDC, its successors, assigns, s, and live agree to communicate to HPDC, or to its nominee, all known facts respecting t(s), said application and said Patent, to testify in any legal proceedings, to sign all lawful ers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all and generally to do everything possible to aid HPDC, its successors, assigns, nominees in and enforce, for its or their own benefit, proper patent protection for said invention(s) or countries provided the expenses which may be incurred by me/us in lending such paid by HPDC;
applications as aforesaid, to issue	and request the official of any country or countries whose duty it is to issue patents on the to HPDC, as assignee of the entire right, title and interest, any and all Patent for said which may be issued and granted on or as a result of the application aforesaid, in assignment.
I/we further authorize and application for Patent, now identiknown to them.	direct the attorneys of record to insert the filing date and application number of said fied by the Record ID and title set forth above, as soon as the same shall have been made
IN WITNESS WHEREOF, I/	we hereunto set my/our hand(s) and seal(s):
Inventor's Signature	Date

Ben Wynne
Inventor's Typed Name

Rev 6/ 2014 (Assignment)

Inventor's Signature

Jinman Kang Inventor's Typed Name

Page 1 of 2

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

PATENT APPLICATION

Fort Collins, Colorado 80528	RECORD ID:83960977
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5720	7/31/2014
Inventor's Signature	7/31/2014 Date
David Bradley Short	
Inventor's Typed Name	
Inventor's Signature	Date
Christopher S, Tanner	
Inventor's Typed Name	
Inventor's Signature	Date
Inventor's Typed Name	
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Inventor's Signature	Date
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Inventor's Typed Name	

Page 2 of 2

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

PATENT APPLICATION

Mail Stop 35	F	RECORD ID:	83960977
Fort Collins, Colorado 80528			
ASSIG	INMENT OF PATENT APP	LICATION (cont	.)
Inventor's Signature		Date	***************************************
invertor's signature		Date	
David Bradley Short			
Inventor's Typed Name			
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(Inventor's: Signature	·	Date /	
3			
Christopher S. Tanner	V-,		
Inventor's Typed Name			
Inventor's Signature		Date	
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