505158112 10/25/2018

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5204879

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GLENN WONG	02/02/2017
CHRIS HARSACKY	02/01/2017

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:	16083082

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ATTORNEY DOCKET NUMBER:	84997194
NAME OF SUBMITTER:	JOHN E. NEMAZI
SIGNATURE:	/John E. Nemazi/
DATE SIGNED:	10/25/2018

Total Attachments: 2

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PATENT 505158112 REEL: 047304 FRAME: 0143

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

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C.E. Harmony Road			PAIENI AFFLICATION
Stop 35 Collins, Colorado 80528	,	RECORD ID:	700225233
	ASSIGNMENT OF PATEN	T APPLICATION	

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and in furthera Limited Partner subsidiaries and	nce of my/our obligations rship having its principal d affiliates agree to assign	to HEWLETT-PACKARD place of business in House and transfer and hereby ass	DEVELORISTON, Textings of the sign and the s	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
OBJECT SCAN	INERS WITH OPENINGS			
Filling Date:	07-SEP-2018	Application	on No.: _	16/083,082
divisionals, and	renewals of and substitutes	for said application for said	d Patent,	uations, continuations-in-part (C-I-P's) and any and all other Patent of an reexaminations, or extensions of said
by HPDC, its su Patent respective	ccessors, assigns, nomines	s or legal representatives, to d or extended, as fully and r	the full er	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 within a request is perfect the title to nominees or legislated invention(s) papers, to execute the control of th	If not execute any agreement made, and without undue do a said invention(s) or improval al representatives, and I/we or improvement(s), said app ate all disclaimers and division to declarations, and generally tives to obtain and enforce,	t in conflict herewith, and t/wi elay, execute and deliver all s ement(s), said application and agree to communicate to HPI dication and said Patent, to t sionals, continuations, C-I-P's to do everything possible to a for its or their own benefit, I	e further of tuch paper of said Pat of said Pat of said Pat of said pat of said page of said HPDC.	nerein assigned, and that I/we have no overant and agree that I/we will, each is as may be necessary or desirable to ent, to HPDC, its successors, assigns ts nominee, all known facts respecting my legal proceedings, to sign all lawfu and foreign applications, to make all its successors, assigns, nominees and tent protection for said invention(s) or d by me/us in lending such cooperation
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I/we further application for Paknown to them.	authorize and direct the a stent, now identified by the R	tiorneys of record to insert scord ID and title set forth ab-	the filing ove, as so	date and application number of said on as the same shall have been made
INVESTOR INVESTOR	S WHEREOF, I/we hereunt	o set my/our hand(s) and se	eal(s): Date	447
Glenn	Wong			
First/Middle Name	Last Name			
inventor's Signatu	re		Dete	
Chris	Harsacky			
First/Middle Name	Last Name			
Rev 5/2014 (Assignmen	gi	Page 1 of 1		

PATENT REEL: 047304 FRAME: 0144

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Fort Collins, Colorado 80528

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ASSIGNMENT OF PATENT APPLICATION

IWe, 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:

OBJECT SCANNERS WITH OPENINGS

Filing Date:	07-SEP-2018	Application No.:	16/083,082
and the invention	n(s) and improvement(s) set forth therein,	and any and all continua	dions, continuations-in-part (C-I-P's)

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 Patent.

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 coveriant 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 coveriant 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 like 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 my/our hand(s) and seal(s):

Inventor's Signature		Date
Glenn First/Midgle Name Inventor's Signature	Wong Last Name	Z T-
Chris	Harsacky	
First/Middle Name	Last Name	
Rev 5/3014 (Assignment)	Page 1 of 1	