#### 11/10/2016 504090281

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4136949

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
OLEG VASSILIEVICH NIKOLSKY	05/28/2014
KAS KASRAVI	05/28/2014

### **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
Application Number:	15306561

### CORRESPONDENCE DATA

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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.

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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:	84549862	
NAME OF SUBMITTER:	DEBBIE BORLAND	
SIGNATURE:	/Debbie Borland/	
DATE SIGNED:	11/10/2016	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

### **Total Attachments: 2**

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> **PATENT REEL: 040276 FRAME: 0823** 504090281

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

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RECORD ID:	83952459

### ASSIGNMENT OF PATENT APPLICATION

receipt of whit DEVELOPMENT Texas, (herein	the undersigned (each) have agreed and heach is hereby acknowledged, and in furth NT COMPANY, L.P., a Texas Limited Partrafter HPDC), and to its subsidiaries and affinitive right, title and interest, including the r	erance of my/our o nership having its prir liates, to assign and t	bligations to HEWLETT-PACKARD tcipal place of business in Houston ransfer to HPDC, its successors and
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Filing Date:	October 25, 2016	Application No.:	15/306561
divisionals, and	on(s) and improvement(s) set forth therein, a I renewals of and substitutes for said applic to which may be granted thereon or therefore	nd any and all contini ation for said Patent,	uations, continuations-in-part (C-I-P's) and any and all other Patent of any
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executed and witime a request in perfect the little nominees or legislated invention(spapers, to exertightful paths and legal representation).	nereby covenant that I/we have full right to con iff not execute any agreement in conflict here is made, and without undue delay, execute and to said invention(s) or improvement(s), said ap- pal representatives, and I/we agree to commu- ity) or improvement(s), said application and said cute all disclaimers and divisionals, continua- ind declarations, and generally to do everything sentatives to obtain and enforce, for its or their in any and all countries provided the exp I assistance are paid by HPDC;	with, and I/we further of d deliver all such paper oplication and said Pat nicate to HPDC, or to i d Patent, to testify in a tions, C-I-P's, reissue ng possible to aid HPC own benefit, proper p	covenant and agree that I/we will, each is as may be necessary or desirable to ent, to HPDC, its successors, assigns its nominee, all known facts respecting my legal proceedings, to sign all lawfull and foreign applications, to make all DC, its successors, assigns, nominees atent protection for said invention(s) or
applications as invention(s) or	hereby authorize and request the official of a aforesaid, to issue to HPDC, as assignee of improvement(s) which may be issued and the terms of this assignment.	the entire right, title ar	nd interest, any and all Patent for said
application for F known to them.	or authorize and direct the attorneys of reconstant, now identified by the Record ID and title state of the second ID and title second ID and titl	e set forth above, as so	on as the same shall have been made
		<u> </u>	<u>-28-2019                                     </u>
Inventor's Signal	m	Date	and a substitution of the section of
Oleg Vassilievich	n Nikotsky		
Inventor's Typed		***************************************	
Landa Company	52.	NA.	
Inventor's Signat	me.	Date	
Kas Kasravi			
Inventor's Typed	Name		

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

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RECORD ID:	83952459
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### ASSIGNMENT OF PATENT APPLICATION

J/We, the undersigned (each) have agreed and hereby agree, that for good and valuable consideration, the

receipt of which is hereby acknowledged, and in furtherance of DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership has Texas, (hereinafter HPDC), and to its subsidiaries and affiliates, to assigns, the entire right, fittle and interest, including the right of prentitled:	aving its principal place of business in Houston, assign and transfer to HPDC, its successors and
DISCRETE CURSOR MOVEMENT BASED ON TOUCH INPUT	
Filing Date: October 25, 2016 Applica	ation No.: 15/306561
and the invention(s) and improvement(s) set forth therein, and any all divisionals, and renewals of and substitutes for said application for countries thereto which may be granted thereon or therefore; and any Patent.	said Patent, and any and all other Patent of any
I/we additionally authorize HPOC to file applications in my/our name by HPOC, its successors, assigns, nominees or legal representatives, Patent respectively may be granted, reissued or extended, as fully an enjoyed by me/us had this assignment, and transfer not been made;	to the full end of the term or terms for which said
AND live hereby coverant that live have full right to convey the en executed and will not execute any agreement in conflict herewith, and it time a request is made, and without undue delay, execute and deliver a perfect the title to said invention(s) or improvement(s), said application nominees or legal representatives, and live agree to communicate to it said invention(s) or improvement(s), said application and said Patent, it papers, to execute all disclaimers and divisionals, continuations. Citinghtful oaths and declarations, and generally to do everything possible and legal representatives to obtain and enforce, for its or their own benimprovement(s) in any and all countries provided the expenses will cooperation and assistance are paid by HPDC;	I/we further covenant and agree that I/we will, each ill such papers as may be necessary or desirable to and said Palent, to HPDC, its successors, assigns, IPDC, or to its nominee, all known facts respecting to testify in any legal proceedings, to sign all lawful P's, reissue and foreign applications, to make all a to aid HPDC, its successors, assigns, nominees efit, proper patent protection for said invention(s) or
AND I'we hereby authorize and request the official of any country applications as aforesaid, to issue to HPDC, as assignee of the entire invention(s) or improvement(s) which may be issued and granted c accordance with the terms of this assignment.	right, title and interest, any and all Palent for said
I/we further authorize and direct the attorneys of record to inse application for Patent, now identified by the Record ID and title set forth known to them.	int the filing date and application number of said above, as soon as the same shall have been made
IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and	d seal(s):
Inventor's Signature	Date
Oleg Vassilievich Nikoleky Inventor's Typed Name  inventor's Signature	
Kas Kasravi Inventor's Typed Name	AV.

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**PATENT REEL: 040276 FRAME: 0825** 

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