10/24/2017 504609527

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4656240

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEVEN BARCELO	10/20/2017
ANITA ROGACS	10/23/2017
VIKTOR SHKOLNIKOV	10/24/2017
MILO OVERBAY	10/24/2017

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:	15792732

CORRESPONDENCE DATA

(970)778-4063 Fax Number:

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.

(541)715-8443 Phone: Email: ipa.mail@hp.com

Correspondent Name: HP INC.

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

Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	84671770
NAME OF SUBMITTER:	TODD A. RATHE
SIGNATURE:	/Todd A. Rathe/
DATE SIGNED:	10/24/2017

Total Attachments: 8

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> **PATENT** REEL: 043940 FRAME: 0890 504609527



PATENT REEL: 043940 FRAME: 0891 HP Inc. 3390 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

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RECORD ID:	84671770
1/2001/2012	

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:

MICROFLUIDIC CHIP WITH ANCHORED NANO PARTICLE ASSEMBLY Filing Date: Application No.: 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 I/we 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, Itwe hereunto set my/our hand(s) and Inventor's Signature			ad seal(s): U/20/(Date	7
Steven	Barcelo			
First/Middle Name	Last Name	-		
Inventor's Signature			Date	
Anita	Rogacs			
First/Middle Name	Last Name			
Rev 8/2014 (Assignment)		Page 1 of 2		

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

PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528	3	RECORD ID:	84671770		
	ASSIGNMENT OF PA	ASSIGNMENT OF PATENT APPLICATION (cont.)			
Inventor's Signature		 Date			
Viktor	Shkolnikov				
First/Middle Name	Last Name				
Inventor's Signature		 Date			
Milo	Overbay				
First/Middle Name	Last Name				
Inventor's Signature		Date			
First/Middle Name	Last Name				
Inventor's Signature		Date			
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Inventor's Signature		 Date			
First/Middle Name	Last Name				
Inventor's Signature		Date			
First/Middle Name	Last Name				

Page 2 of 2

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3390 E. Harmony Road
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MICROFLUIDIC CHIP V	WITH ANCHORED NANO	PARTICLE ASSEMBLY
Filing Date:		Application No.:
divisionals, and renewals	of and substitutes for sai	erein, and any and all continuations, continuations-in-part (C-I-P's) application for said Patent, and any and all other Patent of an erefore; and any reissues, or reexaminations, or extensions of said
by HPDC, its successors Patent respectively may	, assigns, nominees or lega	ns in my/our name for Patent in any country, to be held and enjoyer representatives, to the full end of the term or terms for which sain nded, as fully and entirely as the same would have been held and the been made;
executed and will not exe time a request is made, a perfect the title to said in nominees or legal repress said invention(s) or impro- papers, to execute all di- rightful oaths and declara- legal representatives to of improvement(s) in any and and assistance are paid by	cute any agreement in confind without undue delay, exertion(s) or improvement(s) entatives, and I/we agree to vement(s), said application sclaimers and divisionals, clions, and generally to do evolution and enforce, for its od all countries provided the ey HPDC;	to convey the entire interest herein assigned, and that I/we have not herewith, and I/we further covenant and agree that I/we will, each cute and deliver all such papers as may be necessary or desirable to said application and said Patent, to HPDC, its successors, assigns communicate to HPDC, or to its nominee, all known facts respecting and said Patent, to testify in any legal proceedings, to sign all lawful ontinuations, C-I-P's, reissue and foreign applications, to make a strything possible to aid HPDC, its successors, assigns, nominees and their own benefit, proper patent protection for said invention(s) of expenses which may be incurred by me/us in lending such cooperational of any country or countries whose duty it is to issue patents of
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IN WITNESS WHER	EOF, I/we hereunto set my	our hand(s) and seal(s):
Inventor's Signature		Date
Steven	Barcelo	
First/Middle Name	Last Name	
Deta Og	<u>්</u>	10/23/2017
Inventor's Signature		Date
Anita	Rogacs	
First/Middle Name	Last Name	

Rev 8/2014 (Assignment) Page 1 of 2

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

PATENT APPLICATION

Mail Stop 35 Fort Collins, Colorado 80528	3	RECORD ID:	84671770
	ASSIGNMENT OF PA	TENT APPLICATION (cont	t.)
Inventor's Signature		 Date	
Viktor	Shkolnikov		
First/Middle Name	Last Name		
Inventor's Signature	_	 Date	
Milo	Overbay		
First/Middle Name	Last Name		
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First/Middle Name	Last Name		

Page 2 of 2

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

PATENT APPLICATION

3390 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528		RECORD ID: _	84671770
and in furtherance of my Limited Partnership havir subsidiaries and affiliates, assigns, the entire right, t entitled:	n/our obligations to HEWLETT ng its principal place of busin agree to assign and transfer ar	consideration, the receip -PACKARD DEVELOP less in Houston, Texand hereby assign and transition of priority, in, to a	N of of which is hereby acknowledged, MENT COMPANY, L.P., a Texas is, (hereinafter HPDC), and to its ansfer to HPDC, its successors and and under an application for Patent
Filing Date:		Application No.:	
divisionals, and renewals of	of and substitutes for said appli	cation for said Patent, a	ations, continuations-in-part (C-I-P's), and any and all other Patent of any reexaminations, or extensions of said
by HPDC, its successors, a Patent respectively may be	assigns, nominees or legal repres	sentatives, to the full end as fully and entirely as	n any country, to be held and enjoyed d of the term or terms for which said the same would have been held and
executed and will not executime a request is made, and perfect the title to said invernominees or legal represensaid invention(s) or improve papers, to execute all discrightful oaths and declaration legal representatives to obtain	ate any agreement in conflict here without undue delay, execute an action(s) or improvement(s), said a tatives, and I/we agree to communication and said application and said aimers and divisionals, continuates, and generally to do everything ain and enforce, for its or their all countries provided the expense	ewith, and I/we further cond deliver all such papers application and said Pate unicate to HPDC, or to its id Patent, to testify in an ations, C-I-P's, reissue agpossible to aid HPDC, it own benefit, proper pate	erein assigned, and that I/we have not ovenant and agree that I/we will, each is as may be necessary or desirable to ent, to HPDC, its successors, assigns, is nominee, all known facts respecting by legal proceedings, to sign all lawful and foreign applications, to make all ts successors, assigns, nominees and ent protection for said invention(s) or by me/us in lending such cooperation
applications as aforesaid, to	o issue to HPDC, as assignee of nt(s) which may be issued and	the entire right, title and	whose duty it is to issue patents on d interest, any and all Patent for said esult of the application aforesaid, in
			date and application number of said on as the same shall have been made
IN WITNESS WHEREC	PF, I/we hereunto set my/our h	and(s) and seal(s):	

Inventor's Signature Date Steven Barcelo First/Middle Name Last Name Inventor's Signature Date Anita Rogacs First/Middle Name Last Name Rev 8/2014 (Assignment) Page 1 of 2

HP Inc.

PATENT APPLICATION

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Mail Stop 35 Fort Collins, Colorado 80528		RECORD ID:	84671770
	ASSIGNMENT OF PAT	ENT APPLICATION (con	t.)
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Inventor's Signature		Date	
Viktor	Shkolnikov		
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Milo	Overbay		
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Inventor's Signature		Date	
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First/Middle Name	Last Name		
Inventor's Signature		Date	
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First/Middle Name	Last Name		

Page 2 of 2

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

Filing Date:

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MICROFLUIDIC CHIP WITH ANCHORED NANO PARTICLE ASSEMBLY

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.

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Inventor's Signature				
inventor's Signature			Date	
Steven	Barcelo			
First/Middle Name	Last Name		_	
Inventor's Signature			Date	
Anita	Rogacs			
First/Middle Name	Last Name			
Rev 8/2014 (Assignment)		Page 1 of 2		

HP	inc.
339	0 E. Harmony Road
Mail	Stop 35
	Collins, Colorado 80528

PATENT APPLICATION

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	ASSIGNMENT OF PATE	NT APPLICATION (cont.)	
Inventor's Signature		Date	
Viktor	Shkolnikov		
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Inventor's Signature		Date	
Milo	Overbay		
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) II SQ WILLIAM TOWNS	LOSI POLITIC		
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Page 2 of 2

Rev 8/2014 (Assignment)

RECORDED: 10/24/2017