505040214 08/07/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5086965

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL PLOTKIN	05/09/2007
DAVID TOWNER	05/03/2007
HAIM LIVNE	05/03/2007
PETER GYSLING	05/02/2007
CRAIG BREEN	05/17/2007
DALE WOLIN	05/10/2007

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:	14493595

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.

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

HP INC. **Correspondent Name:**

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

Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	84051473
NAME OF SUBMITTER:	HEATHER MULKEY
SIGNATURE:	/Heather Mulkey/
DATE SIGNED:	08/07/2018

PATENT REEL: 046576 FRAME: 0078 505040214

Total Attachments: 6		
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PATENT REEL: 046576 FRAME: 0079

PATENT APPLICATION

ATTORNEY DOCKET NO.

200602629-1

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), in furtherance of my/our obligations to the Hewlett-Packard Company and its subsidiaries and affiliates, and do 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 Letters Patent of the United States entitled:

METHOD AND APPARATUS FOR CONTROLLING	MULTIPLE BEAM SPACING
Filing Date: Feb 21, 2007	Application No.: 11/709394
* , , , , , , , , , , , , , , , , , , ,	erein, and any and all continuations, continuations-in-part (C-I-said application for said Letters Patent, and any and all Letters

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 Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of şaid Letters Patent.

I/we additionally authorize HPDC to file applications in my/our name for Letters 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 Letters 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 Letters 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 Letters 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 Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States 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 Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States 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 serial number and filing date of said application now identified by the attorney dooket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

IN WITNESS WHEREO	F, I/we hereunte set my/our hand(s)		
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Inventor's Signature (Seal)	T.	Date Assignment Stigned	
Michael Plotkin		9, may,	2007
Inventor's Typed Name		Date Application Signed	
State of)		
) ss.:		
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Before me thisday of	, personally appeared	Michael Plotkin	who is personally
known or proved to me on the b assignment to be his/her free act a	asis of satisfactory evidence to be the indideed.	e person who acknowledged the	foregoing instrument of
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Rev 02/07 (Assignment)	Page 1 of 3	My Commission Expires	

HEWLETT-PACKARD COMPANY Intellectual Property Administrator		P	ATENT APPLICATION
P.O. Box 272400 Fort Collins, Colorado 80527-2400		ATTORNEY DOCKET NO	200602629-1
ASSI	GNMENT OF PATENT	APPLICATION (cont.)	
IN WITNESS WHEREOF, HA	hereunto set my/our hand	(s) and seal(s):	
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David Towner		5-3-20	
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Haim Livne			
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Before me this day of	, personally appeared	Haim Livne	who is personally
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Pete Gysling			
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Before me thisday of	_, personally appeared	Pete Gysling	who is personally
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Rev 02/07 (Assignment)

PATENT REEL: 046576 FRAME: 0081

PATENT APPLICATION

ATTORNEY DOCKET NO. 200602629-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Inventor's Signature (Seal)		Date Assignment Signed	
David Towner			
Inventor's Typed Name	W	Date Application Signed	
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Before me thisday of	, personally appeared	David Towner	who is personally
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PATENT APPLICATION

ATTORNEY DOCKET NO. 200602629-1

ASSIGNMENT OF PATENT APPLICATION (cont.)

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David Towner Inventor's Typed Name		Date Application Signed	
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ATTORNEY DOCKET NO. 200602629-1

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PATENT APPLICATION

ASSIGNMENT OF PATENT APPLICATION (cont.)

IN WITNESS WHEREOF, I'we hereunto set my/our hand(s) and seal(s):

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Craig Breen	·		
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Dale Wolin Inventor's Typed Name		Date Application Signed	00)
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RECORDED: 08/07/2018