505026937 07/30/2018

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5073687

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	REQUEST TO CORRECT FIRST NAME OF ASSIGNOR BREEN PREVIOUSLY RECORDED ON REEL/FRAME 034836/0958 ON 01/29/2015.

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL PLOTKIN	01/19/2015
DAVID KENNEY TOWNER	01/20/2015
HAIM LIVNE	01/25/2015
PETE GYSLING	01/21/2015
CRAIG BREEN	01/26/2015

RECEIVING PARTY DATA

Name:	HEWLETT-PACKARD INDIGO B.V.
Street Address:	Startbaan 16
Internal Address:	1187 XR Amstelveen
City:	Amstelveen
State/Country:	NETHERLANDS

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.

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

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:	84051473	
NAME OF SUBMITTER:	HEATHER MULKEY	
SIGNATURE:	/Heather Mulkey/	
DATE SIGNED:	07/30/2018	

PATENT REEL: 046659 FRAME: 0448 505026937

Total Attachments: 9 source=84051473 01-30-2015 assignrec#page1.tif source=84051473 01-30-2015 assignrec#page2.tif source=84051473 01-30-2015 assignrec#page3.tif source=84051473 01-30-2015 assignrec#page4.tif source=84051473 01-30-2015 assignrec#page5.tif source=84051473 01-30-2015 assignrec#page6.tif source=84051473 01-30-2015 assignrec#page7.tif source=84051473 01-30-2015 assignrec#page8.tif source=84051473 01-30-2015 assignrec#page8.tif

PATENT REEL: 046659 FRAME: 0449



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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: **NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT**

CONVEYING PARTY DATA

Name	
MICHAEL PLOTKIN	01/19/2015
DAVID KENNEY TOWNER	01/20/2015
HAIM LIVNE	01/25/2015
GRAIG BREEN CRAIG	01/26/2015

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84051473

provided; if that is unsuccessful, it will be sent via US Mail.

Correspondent Name: HEWLETT-PACKARD COMPANY Address Line 1: 3404 E. HARMONY ROAD MS 35

Address Line 2: INTELLECTUAL PROPERTY ADMINISTRATION

Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:

NAME OF SUBMITTER: MONTSE DRUGUET

Signature: /Montse Druguet/

Date: 01/29/2015

Total Attachments: 5

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 01/29/2015

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HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 88528

PATENT APPLICATION

RECORD ID:	84051473

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 INDIGO B.V., having its registered offices in Amstelveen. The Netherlands, (hereinafter HP-INDIGO), and to its subsidiaries and affiliates, in furtherance of my/our obligations to HP-INDIGO and its subsidiaries and affiliates, agree to assign and transfer and hereby assign and transfer to HP-INDIGO, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Patent entitled:

the right of priority, in, to and	under an application for	essors and assigns, the entire right, title and interest, including Patent entitled: MULTIPLE BEAM SPACING
Filing Date: 23 Sep 2014		Application No.: 14/493596
divisionals and renewals of	and substitutes for said	rein, 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
enjoyed by HP-INDIGO, its su	iccessors, assigns, nomir y may be granted, reissu	lications in my/our name for Palent in any country, to be held and uses or legal representatives, to the full end of the term or terms for ad or extended, as fully and entirely as the same would have been unsfer not been made;
executed and will not execute time a request is made, and w perfect the title to said inven- assigns, nominees or legal re- facts respecting said inventior sign all lawful papers, to exec- make all rightful oaths and de- nominees and legal represer-	any agreement in conflict vithout undue delay, exec- tion(s) or improvement(s) epresentatives, and I/we in n(s) or improvement(s), sa- pute all disclaimers and di- cidarations, and generally to itatives to obtain and entits in any and all countries	to convey the entire interest herein assigned, and that I/we have not therewith, and I/we further covenant and agree that I/we will, each ute and deliver all such papers as may be necessary or desirable to use and deliver all such papers as may be necessary or desirable to said application and said Patent, to HP-INDIGO, its successors agree to communicate to HP-INDIGO, or to its nominee, all knowled application and said Patent, to testify in any legal proceedings, to visionals, continuations, C-I-P's, reissue and foreign applications, to do everything possible to aid HP-INDIGO, its successors, assigns once, for its or their own benefit, proper patent protection for said provided the expenses which may be incurred by ma/us in lending;
annlinations as aforesaid to i	issue to HP-INDIGO, as a nent(s) which may be iss	al of any country or countries whose duty it is to issue patents o assignee of the entire right, title and interest, any and all Patent fo used and granted on or as a result of the application aforesaid, i
live further authorize a application for Patent, now ide known to them.	nd direct the attorneys on tified by the Record ID in	of record to insert the filing date and application number of sai and title set forth above, as soon as the same shall have been mad
IN WITNESS WHEREOF	, I/we hereunto set my/	our hand(s) and seal(s):
14		19/01/2015
Inventor's Signature	J	Date
Michael	Plotkin	
First/Middle Name	Last Name	
inventor's Signature		Date
David Kenney	Towner	
First/Middle Name	Last Name	
Car. 9/1994 (Assignment HD Indica)		

Rev 8/2014 (Assignment HP-Indigo)

Page 1 of

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

PATENT	APPI	IC.A	TION
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RECORD ID:	84051473
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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 INDIGO B.V., having its registered offices in Amstelveen, The Netherlands, (hereinafter HP-INDIGO), and to its subsidiaries and affiliates, in furtherance of my/our obligations to HP-INDIGO and its subsidiaries and affiliates, agree to assign and transfer and hereby assign and transfer to HP-INDIGO, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Patent entitled:

METHOD AND APPARATUS FOR CONTROLLING MULTIPLE BEAM SPACING

Filing Date:	23 Sep 2014	Application No.:	14/493595
divisionals, a	ntion(s) and improvement(s) set forth therein, and renewals of and substitutes for said applicate which may be granted thereon or therefore;	ation for said Patent	, and any and all other Patent of any

I/we additionally authorize HP-INDIGO to file applications in my/our name for Patent in any country, to be held and enjoyed by HP-INDIGO, 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 HP-INDIGO, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HP-INDIGO, 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 HP-INDIGO, 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 HP-INDIGO;

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 HP-INDIGO, 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	,	
Michael	Plotkin				
First/Middle Name	Last Name	ary polyment and the second			
1		/ //227/		20	2015
Inventor's Signature	77		Date	and the second seco	
David Kenney	Towner				
First/Middle Name	Last Name				

Rev 8/2014 (Assignment HP-Indigo)

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35

PATENT APPLICATION

Fort Collins, Colorado 8052	8	RECORD ID: 84051473
	ASSIGNMENT OF PAT	TENT APPLICATION (cont.)
	1910	25/01/2015 Date
Inventor's Signature		Date
Haim	Livne	
First/Middle Name	Last Name	
Inventor's Signature		Date
Pete	Continu	
First/Middle Name	Gysling Last Name	
Inventor's Signature		Date
Craig	Breen	
First/Middle Name	Last Name	
Inventor's Signature		Date
First/Middle Name	Last Name	
Inventor's Signature		Date
First/Middle Name	Last Name	-
Inventor's Signature		Date
First/Middle Name	Last Name	

Rev 8/2014 (Assignment HP-Indigo)

Page 2 of

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PATENT APPLICATION

RECORD ID:	84051473

ASSIGNMENT OF PATENT APPLICATION (cont.)

4		
Inventor's Signature		Date
Haim	Livne	
First/Middle Name	Last Name	
<i>A</i>	, .	
Ifa Corps	las	
Inventor's Signature		Date
Pete	Gysling	
First/Middle Name	Last Name	*
		g.
Inventor's Signature		Date
	Decem	
Craig First/Middle Name	Breen Last Name	
		No.
* *		*
Inventor's Signature		Date
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First/Middle Name	Last Name	
risomade name	Lose Hame	
Inventor's Signature		Date
	·	
First/Middle Name	Last Name	
		s
Inventor's Signature	•	Date
First/Middle Name	Last Name	·

Page 2 of

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PATENT APPLICATION

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature		Date	
Haim	Livne		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Pete	Gysling		
First/Middle Name	Çast Name		
Inventor's Signature			, et
Craig	Breen		
First/Middle Name	East Rame		
Inventor's Signature		Date	
First/Middle Name	Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name		

Page 2 of

PATENT
RECORDED: 07/30/2018 REEL: 046659 FRAME: 0456