504755029 01/31/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4801757

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		
CONVEYING PARTY DATA			
	Name	Execution Date	
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ANN ALEJANDRO VILLEGAS		01/11/2016	
CHARLIE KU		01/07/2016	

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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15749099	

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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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ATTORNEY DOCKET NUMBER:	84914766
NAME OF SUBMITTER:	COLLEEN F. BROWN
SIGNATURE:	/Colleen F. Brown/
DATE SIGNED:	01/31/2018

Total Attachments: 3

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HP inc. 3390 E. Harmony Road		PATENT APPLICATION
Mail Stop 35 Fort Collins, Colorado 80528	RECORD ID:	84421929

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:

ELECTROACOUSTIC DEVICES FOR A COMPUTING DEVICE

Filing Date: January 30, 2018 Application No.: 15/749,099

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 l/we hereby covenant that l/we have full right to convey the entire interest herein assigned, and that l/we have not executed and will not execute any agreement in conflict herewith, and l/we further covenant and agree that l/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 l/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) or improvements of the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by HPDC;

AND live 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.

live 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):

17/16 Oate

Inventor's Signature

Robert C First/Middle Name Brooks Last Name

Inventor's Signature		Date
Ann Alejandro	Villegas	
First/Middle Name	Last Name	

Rev 8/2014 (Association)

Page : of 2

HP Inc. 3390 E. Harmony Road		PATENT APPLICATION
Mail Stop 35 Fort Collins, Colorado 80528	RECORD ID:	84421929

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ELECTROACOUSTIC DEVICES FOR A COMPUTING DEVICE

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AND live hereby covenant that live have full right to convey the entire interest herein assigned, and that live have not executed and will not execute any agreement in conflict herewith, and live further covenant and agree that live 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 live 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, release 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 merus in lending such cooperation and assistance are paid by HPDC;

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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	
Robert C	Brooks			
First/Middle Name	A Last Name			
She 1			01.11-2016	
Inventor's Signature			Date	
Ann Alejandro	Villegas			
First/Middle Name	Last Name			
Rev 8/2014 (Assignment)		Page 1 of 2		

PATENT REEL: 044779 FRAME: 0342

HP Inc. 3390 E. Harmony Road				PATENT APPLICATION
Mail Stop 35 Fort Collins, Colorado 80528		REC	CORD ID:	84421929
	ASSIGNMENT	OF PATENT APPLI	CATION (cor	nt.)
Charlie Ku			7-Jan, 2	
Inventor's Signature			Date	
Charlie	Ku			
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	
ni na na sana sa				
First/Middle Name	Last Name			
Inventor's Signature			Date	
First/Middle Name	Last Name			
Inventor's Signature			Date	
First/Middle Name	Last Name			
Rev 6/2014 (Assignment)		Page 2 of 2		

RECORDED: 01/31/2018

PATENT **REEL: 044779 FRAME: 0343**