505091762 09/13/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYA	NCE:	ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ATA				
		Name	Execution Date		
DIEGO RAHN MEDAGL	IA		07/10/2017		
ANELLENA SANTOS			07/10/2017		
TACIANO PEREZ			07/10/2017		
KIMON BERLIN			07/10/2017		
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Postal Code:	77070				
Property Type Application Number: 1607		Nie zwest			
		Number 16076196			
Property Type Application Number:		Number 16076196			
Application Number: CORRESPONDENCE D Fax Number:	ATA (970)778-4063			
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Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER: SIGNATURE: DATE SIGNED:	ATA (e sent to provided, (i H 3 JMBER:	970)778-4063 the e-mail address first; if that is uns ; if that is unsuccessful, it will be sent 541)715-8443 pa.mail@hp.com HP INC. 3390 E. HARMONY ROAD MS 35 NTELLECTUAL PROPERTY FORT COLLINS, COLORADO 80528 84630883 JOHN E. NEMAZI /John E. Nemazi/ 09/13/2018			

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HP Inc. 3390 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528 RECORD ID: 84630883

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:

MIGRATION OF MEMORY DEVICES

Filing Date: 07-AUG-2018

Application No.:

16/076,196

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 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 WHERI	SOF, I/we hereunto set my/	/our hand(s) an	d seal(s):
<u>Os MM</u>	MAC		07/10/2017
Inventor's Signature	and the second		Date
Diego Rahn	Médaglia		
First/Middle Name	Last Name		
Indera Are	hed dos brite	3	0711012017
Inventor's Signature			Date
Anellena	Santos		
First/Middle Name	Last Name	**************************************	
Rev 8/2014 (Assignment)		Page 1 of 2	

HP Inc. 3390 E. Harmony Road			PATENT APPLICATION
Mail Stop 35 Fort Collins, Colorado 80528		RECORD ID: _	84630883
	ASSIGNMENT OF	PATENT APPLICATION (cont.)
A C	YM.		10/2017
59	Davia		
Taciano First/Middle Name	Perez Last Name		
Inventor's Signature		Date	
		Date	
Kimon First/Middle Name	Berlin Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name		
Inventor's Signature		Date	
Inventor's Signature		Dale	
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)		Page 2 of 2	

HP Inc. 3390 E. Harmony Road		PATENT APPLICATION
Mail Stop 35 Fort Collins, Colorado 80528	RECORD ID:	84630883

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MIGRATION OF MEMORY DEVICES

Filing Date:	07-AUG-2018	Application No.:	16/076,196

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

Inventor's Signature			Date	
Diego Rahn	Medaglia			
First/Middle Name	Last Name			
Inventor's Signature			Date	
Anellena	Santos			
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		RECORD ID:	PATENT APPLICATION 84630883
	ASSIGNMENT OF F	PATENT APPLICATION (con	
Inventor's Signature		Date	
Taciano First/Middle Name	Perez Last Name		
Inventor's Signature			ís/17
Kimon First/Middle Name	Berlin Lasi Name		
Inventor's Signature		Date	
First/Middle Name	Lasi 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 8/2514 (Assignment)		Page 2 of 2	

RECORDED: 09/13/2018

PATENT REEL: 046859 FRAME: 0315