505292072 01/23/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BOON BING NG	07/30/2014
THIDA MA WIN	07/30/2014
NING GE	07/28/2014
JOSE JEHROME RANDO	07/27/2014

RECEIVING PARTY DATA

Name:	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.
Street Address:	10300 ENERGY DRIVE
City:	SPRING
State/Country:	TEXAS
Postal Code:	77389

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16255361

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.

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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:	85679833
NAME OF SUBMITTER:	STEVEN L. NICHOLS
SIGNATURE:	/Steven L. Nichols/
DATE SIGNED:	01/23/2019

Total Attachments: 3

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PATENT 505292072 REEL: 048111 FRAME: 0655

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PATENT REEL: 048111 FRAME: 0656 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

SPLIT MEMORY BANK

Patent.

Rev 6/ 2014 (Assignment)

PATENT APPLICATION

RECORD ID:	83958406

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:

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

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;

countries thereto which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said

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 ald 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.

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

PATENT APPLICATION

Mall Stop 35 Fort Collins, Colorado 80528	RECORD ID:	83958406
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basine		8,2014
Inventor's Signature	Date	
Ning Ge		
Inventor's Typed Name		
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Inventor's Signature	Date	
Jose Jehrome Rando		
Inventor's Typed Name		
Inventor's Signature	Date	
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Rev 6/ 2014 (Assignment)

Page 2 of 2

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

PATENT APPLICATION

RECORD ID: 83958406

ASSIGNMENT OF PATENT APPLICATION (cont.)

Inventor's Signature	Date
Ning Ge	
Inventor's Typed Name	
AMAN ANA	27 JULY 2014
Inventor's Signature	Date
Jose Jehrome Rando	
Inventor's Typed Name	
Inventor's Signature	Date
그 그 그 그는 그는 그는 그는 그는 그리고 불만들을 살다고 했다.	이 복제들을 받아 많은 것이 있는 것이 되었다. 당근의 전체를 들는 것이 말하고 있는 것이 되었다.
Inventor's Typed Name	고양하는 경험 전쟁을 하는 것이 되는 것은 것이 되고 있다. 3대 전쟁이 하다고 있는 것이 되는 것이 되는 것이 되었다.
	경기를 통해 있는 경기를 받는 것이 되었다. 그 것이 되고 있습니다. 요즘 물건은 해당은 사람들이 되었다. 그 것이 되었다.
	중요를 맞았습니다. 이 시골에 다리 그릇
Inventor's Signature	Date
	트리트 프로젝트 (1985년 1987년 - 1985년 - 1987년 - 1987년 1987년 - 1987년
Inventor's Typed Name	호 하다는 물리가 없었다. 그 그리고 있는 때 그 있다. 중요한 사람들은 경기를 보는 것이 되었다. 그 그 그 것은 것이 되었다.
	흥리를 즐겁게 살길을 내려 내내가 어려웠다.
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Inventor's Signature	Date
Inventor's Typed Name	프를 반출하는데 함께 살은 그는 그들을
그 그는 전기에는 사이는 그리다는 그를 가게 맞았다.	
Inventor's Signature	Date
Inventor's Typed Name	불빛을 하는 하는 이렇다는 이렇다.
그는 그는 이번 이번 나는 얼마를 통하는 하게 됐을까?	
Rev 6/ 2014 (Assignment) Page 2 of 2	선생님 아들이 모임을 하는데 살을 내내 보다 하는 것

PATENT REEL: 048111 FRAME: 0659

RECORDED: 01/23/2019