504801605 03/02/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4848337

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYAN	ANCE: ASSIGNMENT			
CONVEYING PARTY DA	ΔΤΔ			
		Name	Execution Date	
BOON BING NG			07/18/2014	
THIDA MA WIN			08/18/2014	
JOSE JEHROME RAND	0		08/19/2014	
RECEIVING PARTY DA	ТА			
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City:	Houston			
State/Country:	TEXAS	TEXAS		
Postal Code:	77070			
PROPERTY NUMBERS	Total: 1			
Property Type		Number		
Application Number:	1	5910248		
Fax Number:	· ·	970)778-4063 the e-mail address first; if that is (unsuccessful it will be sent	
		if that is unsuccessful, it will be s		
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NAME OF SUBMITTER:		STEVEN L. NICHOLS		
SIGNATURE:		/Steven L. Nichols/		
DATE SIGNED:		03/02/2018		
Total Attachments: 4				
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HEWLETT-PACKARD COMPANY		PATENT APPLICATION
Intellectual Property Administrator		
3404 E. Harmony Road		at a at to rotat source "
Mail Stop 35	RECORD ID:	83955877
Fort Collins, Colorado 80528		

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.

ALTERNATIVE GROUND LINES FOR INTER-SLOT GROUNDING

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 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 l/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		nnong x = a a in ar nga a yagin .	18/7/2014 Date
Boon Bing	Ng		
First/Middie Name	Last Name		
Inventor's Signature			Date
Thida Ma	Win		
First/Middle Name	Last Name		····
Rev 6/ 2014 (Assignment)		Page 1 of 2	

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35		827685 m.	PATENT APPLICATION 83955877
Fort Collins, Colorado 80528			
A	SSIGNMENT OF PATE	INT APPLICATION (cor	nt.)
Inventor's Signature		Date	
Jose Jehrome	Rando		
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		
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	

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

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Inventor's Signature		·····	Date	
Boon Bing	Ng			
First/Middle Name	Last Name		- 18 - AUG - 22	
Inventor's Signature				
Thida Ma	Win			
First/Middle Name	Last Name			
Rev 6/ 2014 (Assignment)		Page 1 of 2		

First/MiktSie Name Last Name Inventor's Signature Date Inventor's Signature Date	inventor's Signature Jose Jehnome Fint/Middle Name	Riancico Lest Nam	ENT OF PATEN			<u>161 2014</u>	
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RECORDED: 03/02/2018