504828345 03/20/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4875082

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GEOFFREY NDU	01/17/2018
LUDOVIC EMMANUEL PAUL NOEL JACQUIN	01/17/2018
NIGEL EDWARDS	01/17/2018

RECEIVING PARTY DATA

Name:	Hewlett Packard Enterprise Development LP	
Street Address:	11445 Compaq Center Drive West	
City:	Houston	
State/Country:	TEXAS	
Postal Code:	77070	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15873419	

CORRESPONDENCE DATA

Fax Number:

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: HEWLETT PACKARD ENTERPRISE 3404 E. HARMONY ROAD MS 79
Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	90482949
NAME OF SUBMITTER:	TRACI THOMAS
SIGNATURE:	/Traci Thomas/
DATE SIGNED:	03/20/2018

Total Attachments: 4

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PATENT REEL: 045290 FRAME: 0680 Hewlett Packard Enterprise 3404 E. Harmony Road Mail Stop 79 Fort Collins, Colorado 80528

Rev 06/15

PATENT APPLICATION

RECORD ID:	90482949
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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 Enterprise Development LP, a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPED), and to its subsidiaries and affiliates, agree to assign and transfer and hereby assign and transfer to HPED, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Patent entitled: DATA STRUCTURE MEASUREMENT COMPARISON Application No.: Filing Date: January 17, 2018 15/873,419 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 HPED to file applications in my/our name for Patent in any country, to be held and enjoyed by HPED, 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 HPED, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to HPED, 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 HPED, 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 HPED; AND I/we hereby authorize and request the official of any country or countries whose duty it is to issue patents on applications as aforesald, to issue to HPED, 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): 17/01/2018 Inventor's Signature Geoffrey Ndu First/Middle Name/Last Name Inventor's Signature Date Ludovic Emmanuel Paul Noel Jacquin First/Middle Name/Last Name

PATENT REEL: 045290 FRAME: 0681 Hewlett Packard Enterprise 3404 E. Harmony Road Mail Stop 79 Fort Collins, Colorado 80528

PATENT APPLICATION

Fort Collins, Colorado 80528	RECO	ORD ID:	90482949
	ASSIGNMENT OF PATENT APPLIC	CATION (cont.)	
Inventor's Signature		Date	
Nigel Edwards			
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			

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Hewlett Packard Enterprise 3404 E. Harmony Road			PATENT APPLICATION		
Mail Stop 79 Fort Collins, Colorado 80528		RECORD ID:	90482949		
	ASSIGNMENT OF PATENT APPLICATION				
furtherance of my/our obligation principal place of business in transfer and hereby assign a	tions to Hewlett Packard Ente Houston, Texas, (hereinafter l	rprise Development LP, a 1 HPED), and to its subsidiarions ressors and assigns, the en	hich is hereby acknowledged, and in Fexas Limited Partnership having its as and affiliates, agree to assign and tire right, title and interest, including		
DATA STRUCTURE MEAS	SUREMENT COMPARISON				
Filing Date: January	17, 2018	Application No.:	15/873,419		
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.					
by HPED, its successors, as Patent respectively may be	I/we additionally authorize HPED to file applications in my/our name for Patent in any country, to be held and enjoyed by HPED, 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;				
executed and will not execut time a request is made, and perfect the fittle to said invent nominees or legal represents said invention(s) or improver papers, to execute all discla- rightful oaths and declaration and legal representatives to de-	e any agreement in conflict he without undue delay, execute a tion(s) or improvement(s), said stives, and I/we agree to commont nent(s), said application and saimers and divisionals, continues, and generally to do every tobtain and enforce, for its or the all countries provided the e	rewith, and I/we further covered to the papers of application and said Patern nunicate to HPED, or to its said Patent, to testify in any uations, C-I-P's, reissue arthing possible to aid HPED seir own benefit, proper patern.	rein assigned, and that I/we have not renant and agree that I/we will, each as may be necessary or desirable to it, to HPED, its successors, assigns, nominee, all known facts respecting legal proceedings, to sign all lawful nd foreign applications, to make all, its successors, assigns, nominees ent protection for said invention(s) or nourred by me/us in lending such		
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 HPED, 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/V	ve hereunto set my/our hand(s) a	and seal(s):			
Inventor's Signature		Date			
Geoffrey Ndu					
First/Middle Name/Last Name	and a second		,		
and the same	and party and and	//	Elina Im in		

First/Middle Name/Last Name

Ludovic Emmanuel Paul Noel Jacquin

Rev 05/15

Page 1 of 2

Hewlett Packard Enterprise 3404 E. Harmony Road Mail Stop 79

PATENT APPLICATION

Mail Stop 79 Fort Collins, Colorado 80528	F	RECORD ID:	90482949
A A. Sum	ASSIGNMENT OF PATENT APP		
1/ Caus		_ 170	July 2018
Inventor's Signature		Date	No.
Nigel Edwards First/Middle Name/Last Name		inana.	
Inventor's Signature		Date	
First/Middle Name/Last Name			
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Inventor's Signature		Date	
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