505222372 12/06/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5269141

SUBMISSION TYPE:		۸ N	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		A	ASSIGNMENT				
CONVEYING PARTY D	ΑΤΑ						
		N	ame			Execution Date	
SRIKANT VARADAN						11/20/2018	
TOMASZ BARSZCZAK						10/24/2018	
HAO LUO						12/05/2018	
RECEIVING PARTY DA	ТА						
Name:	HEWL	HEWLETT PACKARD ENTERPRISE DEVELOPMENT LP					
Street Address:	11445	COMPA	Q CENTER DRIVE WES	Г			
City:	HOUS	TON					
State/Country:	TEXAS	S					
Postal Code:	77070						
PROPERTY NUMBERS	Total: 1	1					
Property Type	Total: 1		Number				
Property Type	Total: 1	161716					
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Total Attachments: 3

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PATENT REEL: 047689 FRAME: 0245

PATENT APPLICATION

Hewlett Packard Enterprise 3404 E. Harmony Road Mail Stop 79 Fort Collins, Colorado 80528

RECORD ID:

90545671

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:

Key-Value Store on Persistent Memory

Filing Date:

Application No.:

and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part (C-LP'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 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 HPED, its successors, assigns, nominees or legal representatives, and l/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, relissue 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 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 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):

Inventor's Signature

Srikant Varadan

First/Middle Name/Last Name

Inventor's Signature

Tomasz Barszczak

First/Middle Name/Last Name

Rev 68/15

Page 1 of 2

11/20/2018 Date

Date

Hewlett Packard Enterprise 3404 E. Harmony Road		PATENT APPLICATION
Mail Stop 79 Fort Collins, Colorado 80528	RECORD ID:	90545671

ASSIGNMENT OF PATENT APPLICATION

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Key-Value Store on Persistent Memory

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 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 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 HPED, its successors, assigns, nominees or legal representatives, and l/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 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/we hereunto set my/our hand(s) and seal(s):

Inventor's Signature	MA 7	Date
Srikant Varadan		
First/Middle Name/Last Name Hoventor's Signature		
Tomasz Barszczak		
First/Middle Name/Last Name		_
Rev 06/15	Page 1 of 2	

PATENT REEL: 047689 FRAME: 0246 Newlett Packard Enterprise PATENT APPLICATION 3404 E. Harmony Road Mail Stop 73 Fort Collins, Colorado 80828 90545671 RECORD ID: ASSIGNMENT OF PATENT APPLICATION (cont.) $\wedge \circ$ Data Inventor's Signatize Hao Luo 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 Case First/Middle Name/Last Name Date Inventor's Signature First/Middle Name/Last Name Oals Inventor's Signature First/Middle Name/Latt Name Page 2 of 2 269 68/15

PATENT REEL: 047689 FRAME: 0247

RECORDED: 12/06/2018