# 505200603 11/20/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5247372

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JOHN FRANZ	11/15/2018
HARVEY LUNSMAN	11/15/2018
TAHIR CADER	11/15/2018

### **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:	16192576

### **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.

**Phone:** (970) 898-7444

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Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	90639233
NAME OF SUBMITTER:	AHSAN A. SHAIKH, REG. NO. 61861
SIGNATURE:	/Ahsan A. Shaikh/
DATE SIGNED:	11/20/2018

## **Total Attachments: 4**

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PATENT 505200603 REEL: 047558 FRAME: 0778

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

Rev 06/15

#### PATENT APPLICATION

RECORD ID:	90639233
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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 transfer and he	of business in Houston, Texas, (hereinafter reby assign and transfer to HPED, its suc- rity, in, to and under an application for Pate	HPED), and to its subsidiar cessors and assigns, the er	ies and affiliates, agree to assign and
RACK AND R	OW-SCALE COOLING		
Filing Date:	November 15, 2018	Application No.:	16/192,576
divisionals, and	on(s) and improvement(s) set forth therei I renewals of and substitutes for said ap to which may be granted thereon or there	plication for said Patent, a	nd any and all other Patent of any
by HPED, its su Patent respective	onally authorize HPED to file applications i uccessors, assigns, nominees or legal rep vely may be granted, reissued or extende us had this assignment, and transfer not be	resentatives, to the full end d, as fully and entirely as t	of the term or terms for which said
executed and w time a request is perfect the title of nominees or leg said invention(s) papers, to exec rightful oaths ar and legal repres improvement(s)	nereby covenant that I/we have full right to brill not execute any agreement in conflict his made, and without undue delay, execute to said invention(s) or improvement(s), saignal representatives, and I/we agree to come or improvement(s), said application and cute all disclaimers and divisionals, continued declarations, and generally to do every sentatives to obtain and enforce, for its or the lassistance are paid by HPED;	erewith, and I/we further co- and deliver all such papers d application and said Pater municate to HPED, or to its said Patent, to testify in any nuations, C-I-P's, reissue a thing possible to aid HPED heir own benefit, proper pat	venant and agree that I/we will, each as may be necessary or desirable to nt, to HPED, its successors, assigns, nominee, all known facts respecting regal proceedings, to sign all lawful nd foreign applications, to make all to its successors, assigns, nominees ent protection for said invention(s) or
applications as invention(s) or	nereby authorize and request the official of aforesaid, to issue to HPED, as assignee improvement(s) which may be issued a the terms of this assignment.	of the entire right, title and	interest, any and all Patent for said
I/we further application for Pknown to them.	r authorize and direct the attorneys of ratent, now identified by the Record ID and	ecord to insert the filing datitle set forth above, as soon	ate and application number of said n as the same shall have been made
IN WITNESS	WHEREOF, I/we hereunto set my/our hand(s)	and seal(s):	
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Inventor's Signatu	7474		1-15-708
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John Franz	// NI	The state of the s	
First/Middle Name/	LEAST INAUTE		
Inventor's Signatu	re	Date	
Harvey Lunsma	an		
First/Middle Name/		The state of the s	

Page 1 of 2

Hewlett Packard Enterprise 3404 E. Harmony Road Mail Stop 79

#### PATENT APPLICATION

Fort Collins, Colorado 80528	RECORD ID:	90639233
ASSIGNMENT OF	PATENT APPLICATION (cor	ıt.)
Tahir Cader	//	15/18
Inventor's Signature	Date	•
Tahir Cader	THE TAX THE TA	
First/Middle Name/Last Name		
Inventor's Signature	Date	
First/Middle Name/Last Name		
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Inventor's Signature	Date	
First/Middle Name/Last Name		

Page 2 of 2

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RECORD ID:	90639233	
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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

principal place of bu transfer and hereby	ur obligations to Hewlett Packa siness in Houston, Texas, (here assign and transfer to HPED, n, to and under an application fo	einafter HPED), and to its its successors and assign	subsidiaries and affiliat	es, agree to assign and
RACK AND ROW	SCALE COOLING			
Filing Date: N	ovember 15, 2018	Application	No.: 16/192,576	5
divisionals, and rer	and improvement(s) set forth ewals of and substitutes for s nich may be granted thereon o	i therein, and any and all said application for said i	continuations, continued continued and and and and and and and and and an	ations-in-part (C-I-P's)
by HPED, its succe Patent respectively	y authorize HPED to file applica ssors, assigns, nominees or le may be granted, reissued or e ad this assignment, and transfe	egal representatives, to the extended, as fully and ent	e full end of the term	or terms for which said
executed and will not time a request is may perfect the title to so nominees or legal resaid invention(s) or papers, to execute rightful oaths and dand legal representation improvement(s) in	by covenant that I/we have full report execute any agreement in conde, and without undue delay, end invention(s) or improvement expresentatives, and I/we agree improvement(s), said applicational disclaimers and divisionals eclarations, and generally to distive to obtain and enforce, for any and all countries provide istance are paid by HPED;	onflict herewith, and I/we for execute and deliver all suc- t(s), said application and so- to communicate to HPED on and said Patent, to test s, continuations, C-I-P's, ro- o everything possible to a rits or their own benefit, p	urther covenant and ag h papers as may be ne aid Patent, to HPED, i , or to its nominee, all lify in any legal procee reissue and foreign ap aid HPED, its successor poper patent protection	gree that I/we will, each ecessary or desirable to ts successors, assigns known facts respecting idings, to sign all lawfu oplications, to make al ors, assigns, nominees for said invention(s) or
applications as afor invention(s) or impl	by authorize and request the cesaid, to issue to HPED, as as covernent(s) which may be issuerms of this assignment.	ssignee of the entire right,	title and interest, any	and all Patent for said
	thorize and direct the attome t, now identified by the Record			
IN WITNESS WH	EREOF, I/we hereunto set my/our	hand(s) and seal(s):		
Inventor's Signature		De	te	***************************************
John Franz				
First/Middle Name/Last	Name /			
Harwey Lw Inventor's Signature	nower	Da	11/15/2018	
Harvey Luneman				
Harvey Lunsman First/Middle Name/Last	Name			
Rev 06/15		Page 1 of 2		

**REEL: 047558 FRAME: 0781** 

Hewlett Packard Enterprise 3404 E. Harmony Road

### PATENT APPLICATION

Mail Stop 79 Fort Collins, Colorado 80528	RECO	ORD ID:	90639233
	ASSIGNMENT OF PATENT APPLIC	CATION (cont.)	
Inventor's Signature		Date	
Tahir Cader			
First/Middle Name/Last Name			
Inventor's Signature		Date	
First/Middle Name/Last Name			
Inventor's Signature		Date	
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Inventor's Signature		Date	
First/Middle Name/Last Name			

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Rev 06/15

**RECORDED: 11/20/2018**