504355266 05/08/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4401957

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE NAME previously recorded on Reel 041134 Frame 0769. Assignor(s) hereby confirms the CHANGE HEWLETT PACKARD ENTERPRISE DEVELOPMENT LP TO HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P

### **CONVEYING PARTY DATA**

Name	Execution Date
YOOCHARN JEON	11/14/2014
JAMES S. IGNOWSKI	11/12/2014

## **RECEIVING PARTY DATA**

Name: Hewlett-Packard Development Company, L.P.	
Street Address:	11445 Compaq Center Drive West
City:	Houston
State/Country:	TEXAS
Postal Code:	77070

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15500074

## **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

**Email:** hpe.ip.mail@hpe.com

Correspondent Name: HEWLETT PACKARD ENTERPRISE
Address Line 1: 3404 E. HARMONY ROAD MS 79
Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	90344000
NAME OF SUBMITTER:	TERRIE M. KRUTZ
SIGNATURE:	/TERRIE M. KRUTZ/
DATE SIGNED:	05/08/2017

## **Total Attachments: 5**

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PATENT 504355266 REEL: 042419 FRAME: 0455

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PATENT REEL: 042419 FRAME: 0456

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT	The second second
NATURE OF CONVEYANCE:	ASSIGNMENT	-

## CONVEYING PARTY DATA

	Name	
3	YOOCHARN JEON	11/14/2014
	JAMES S. IGNOWSKI	

### RECEIVING PARTY DATA

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

### PROPERTY NUMBERS Total: 1

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Application Number:	15500074	

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 hpe.ip.mail@hpe.com

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Address Line 1: 3404 E. HARMONY ROAD MS 79
Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	90344000
NAME OF SUBMITTER:	JOHN E. NEMAZI
Signature:	/John E. Nemazi/
Date:	01/31/2017

Total Attachments: 2

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> PATENT REEL: 042419 FRAME: 0457

## RECEIPT INFORMATION

**EPAS ID:** PAT 42 5 2 0 5 5 **Receipt Date:** 01/31/2017

PATENT REEL: 042419 FRAME: 0458 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

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RECORD ID:	83952941
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## ASSIGNMENT OF PATENT APPLICATION

Rev 8/2014 (Assignment)

and in furtherance of my/c Limited Partnership having subsidiaries and affiliates, a	our obligations to HEV its principal place of gree to assign and tran	VLETT-PACKARD business in Hou sfer and hereby as	, the receipt of which is hereby acknowledged, DEVELOPMENT COMPANY, L.P., a Texas ston, Texas, (hereinafter HPDC), and to its sign and transfer to HPDC, its successors and ity, in, to and under an application for Patent
MEMORY CONTROLLERS			
Filing Date:		Applicati	on No.:
divisionals, and renewals of	and substitutes for said	d application for sa	all continuations, continuations-in-part (C-I-P's) id Patent, and any and all other Patent of any elssues, or reexaminations, or extensions of said
by HPDC, its successors, as	signs, nominees or lega granted, reissued or exte	I representatives, to ended, as fully and	for Patent in any country, to be held and enjoyed the full end of the term or terms for which said entirely as the same would have been held and
executed and will not execute time a request is made, and w perfect the title to said inventi nominees or legal representa said invention(s) or improver papers, to execute all discla rightful oaths and declaration and legal representatives to o	e any agreement in confi- without undue delay, exe- ion(s) or improvement(s) tives, and I/we agree to nent(s), said application in imers and divisionals, c is, and generally to do e obtain and enforce, for its all countries provided	ict herewith, and I/M cute and deliver all , said application ar communicate to HP and said Patent, to continuations, C-I-P everything possible s or their own benefit	re interest herein assigned, and that I/we have not se further covenant and agree that I/we will, each such papers as may be necessary or desirable to id said Patent, to HPDC, its successors, assigns DC, or to its nominee, all known facts respecting testify in any legal proceedings, to sign all lawfulls, reissue and foreign applications, to make all to aid HPDC, its successors, assigns, nominees the proper patent protection for said invention(s) of the may be incurred by me/us in lending such
applications as aforesaid, to	issue to HPDC, as assiç (s) which may be issue	inee of the entire ri	or countries whose duty it is to issue patents or ght, title and interest, any and all Patent for said or as a result of the application aforesaid, in
I/we further authorize a application for Patent, now ide known to them.	nd direct the attorneys entified by the Record ID	of record to insert and title set forth al	the filing date and application number of said bove, as soon as the same shall have been made
IN WITNESS WHEREOF	, I/we hereunto set my	//our hand(s) and :	seal(s):
4/86/1			Nov. 14. 2014
Inventor's Signature			Date
Yoocharn	Jeon:		
First/Middle Name	Last Name	·	
Inventor's Signature	· · · · · · · · · · · · · · · · · · ·		Date
James:	Ignowski		
First/Middle Name	Last Name	<del>/4.11/4.00.01.00000000</del> 1.1111.115.0 <u>04.1.1.0</u>	

Page 1 of 1

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3404 E. Harmony Road Msil Stop 35		RECORDID:	83952941
Fort Collins, Colorado 80528			
		PATENT APPLICATION	
and in furtherance of my Limited Partnership having subsidiaries and affiliates,	y/our obligations to HEWLET ng its principal place of bus agree to assign and transfer	IT-PACKARD DEVELOPME siness in Houston, Texas, ( and hereby assign and trans!	which is hereby acknowledged, NT COMPANY, L.P., a Texas (hereinafter HPDC), and to its fer to HPDC, its successors and under an application for Patent
MEMORY CONTROLLER	ts.		
Filing Date:		Application No.:	
divisionals, and renewals	of and substitutes for said ap-	plication for said Patent, and	ns, continuations-in-part (C-I-P's), any and all other Patent of any taminations, or extensions of said
by HPDC, its successors, Patent respectively may be	assigns, nominees or legal rep	presentatives, to the full end or d, as fully and entirely as the	ry country, to be held and enjoyed f the term or terms for which said same would have been held and
executed and will not executime a request is made, an perfect the title to said invenominees or legal represers aid invention(s) or improvement to execute all disrightful oaths and declarat and legal representatives to improvement(s) in any arcooperation and assistance.	ute any agreement in conflict hid without undue delay, execute ention(s) or improvement(s), saintatives, and I/we agree to compenent(s), said application and claimers and divisionals, contions, and generally to do every o obtain and enforce, for its or indicate a countries provided the eare paid by HPDC;	erewith, and I/we further cover and deliver all such papers as displication and said Patent, imunicate to HPDC, or to its no said Patent, to testify in any length of the country of the country of their own benefit, proper patent expenses which may be income.	n assigned, and that I/we have not nant and agree that I/we will, each may be necessary or desirable to to HPDC, its successors, assigns, ominee, all known facts respecting egal proceedings, to sign all lawfut forsion applications to make all ts successors, assigns, nominees to protection for said invention(s) or curred by me/us in lending such tosse duty it is to issue patents on
applications as aforesaid,	to issue to HPDC, as assigned ant(s) which may be issued a	of the entire right, title and in	sterest, any and all Patent for said it of the application aforesaid, in
l/we further authorize application for Patent, now known to them.	and direct the attorneys of i identified by the Record ID and	record to insert the filing date title set forth above, as soon a	e and application number of said as the same shall have been made
IN WITNESS WHERE	OF, I/we hereunto set my/ou	ir hand(s) and seal(s):	
Inventor's Signature		Date	2
Yoocham	Jeon		
First/Middle Name	Last Name	77777777777777777777777777777777777777	
	1 ()	** Z	12/14
Inventor's Signature	Lugar, 1	Date	7 6 1 8 T
James	Ignowski		

Page 1 of 1

**PATENT REEL: 042419 FRAME: 0460** 

First/Middle Name

Rev 8/2014 (Assignment)

Last Name