504220684 02/09/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4267361

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NATHANIEL ROGERS	01/31/2017
SONALI SOMYALIPI	02/01/2017
ROBERT NEAL-JOSLIN	01/31/2017
LISA LIU	02/01/2017
SUJATHA MUDUPALLI	02/08/2017

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:	15428455

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: 970-898-7472

Email: hpe.ip.mail@hpe.com

Correspondent Name: HEWLETT PACKARD ENTERPRISE

Address Line 1: 3404 E. HARMONY ROAD

Address Line 2: MAIL STOP 79

Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	90323228
NAME OF SUBMITTER:	DEBORAH HIGHAM
SIGNATURE:	/Deborah Higham/
DATE SIGNED:	02/09/2017
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Total Attachments: 10

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RECORD ID:	90323228
RECURD ID.	2002020

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:

MODIFYING MEMBERSHIP OF REPLICATION GROUPS VIA JOURNAL OPERATIONS

Filing Date:	Applica	tion No.:
divisionals, and renewals of and	substitutes for said application for s	d all continuations, continuations-in-part (C-I-P's), aid Patent, and any and all other Patent of any reissues, or reexaminations, or extensions of said
by HPED, its successors, assign Patent respectively may be gran	s, nominees or legal representatives, t	e for Patent in any country, to be held and enjoyed to the full end of the term or terms for which said I entirely as the same would have been held and
executed and will not execute an time a request is made, and with perfect the title to said invention(s nominees or legal representative said invention(s) or improvement papers, to execute all disclaime rightful oaths and declarations, a and legal representatives to obtain	y agreement in conflict herewith, and I/ out undue delay, execute and deliver all s) or improvement(s), said application a s, and I/we agree to communicate to H (s), said application and said Patent, to rs and divisionals, continuations, C-I-F and generally to do everything possible in and enforce, for its or their own bene countries provided the expenses wh	ire interest herein assigned, and that I/we have not we further covenant and agree that I/we will, each I such papers as may be necessary or desirable to and said Patent, to HPED, its successors, assigns, PED, or to its nominee, all known facts respecting to testify in any legal proceedings, to sign all lawful P's, reissue and foreign applications, to make all to aid HPED, its successors, assigns, nominees fit, proper patent protection for said invention(s) or ich may be incurred by me/us in lending such
applications as aforesaid, to issu	e to HPED, as assignee of the entire which may be issued and granted or	or countries whose duty it is to issue patents on right, title and interest, any and all Patent for said or as a result of the application aforesaid, in
	•	rt the filing date and application number of said above, as soon as the same shall have been made
IN WITNESS WHEREOF, I/we he	ereunto set my/our hand(s) and seal(s):	
Nathania Marketta Mar	Rogens	$\frac{1/31/2017}{Date}$
Nathaniel	Rogers	
First/Middle Name	Last Name	
Inventor's Signature		Date
Sonali	Somyalipi	
First/Middle Name	Last Name	

Page 1 of 2

PATENT APPLICATION

90323228

RECORD ID:

Inventor's Signature		Date	
Robert	Neal-Joslin		
First/Middle Name	Last Name	······································	
Inventor's Signature		 Date	
Lisa	Liu		
First/Middle Name	Last Name		
Inventor's Signature		 Date	
Sujatha	Mudupalli		
First/Middle Name	Last Name		
Inventor's Signature		Date	
irst/Middle Name	Last Name		
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nventor's Signature		Date	
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nventor's Signature		Date	
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Page 2 of 2

First/Middle Name

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Last Name

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RECORD ID:	90323228

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:

MODIFYING MEMBERSHIP OF REP	PLICATION GROUPS VIA JOURNAL OPERATIONS
5 Contra Stanta	Application No.:
Filing Date:	3.6
divisionals, and renewals of and subs	(s) set forth therein, and any and all continuations, continuations-in-part (C-I-P's) stitutes for said application for said Patent, and any and all other Patent of any difference or therefore; and any reissues, or reexaminations, or extensions of said
by HPED, its successors, assigns, nor	to file applications in my/our name for Patent in any country, to be held and enjoyed minees or legal representatives, to the full end of the term or terms for which said elessued or extended, as fully and entirely as the same would have been held and and transfer not been made;
executed and will not execute any agre- time a request is made, and without un- perfect the title to said invention(s) or in nominees or legal representatives, and said invention(s) or improvement(s), sa- papers, to execute all displaimers and rightful paths and declarations, and ge- and legal representatives to obtain and	we have full right to convey the entire interest herein assigned, and that I/we have no sement in conflict herewith, and I/we further covenant and agree that I/we will, each due delay, execute and deliver all such papers as may be necessary or desirable to improvement(s), said application and said Patent, to HPED, its successors, assigns I/we agree to communicate to HPED, or to its nominee, all known facts respecting aid application and said Patent, to testify in any legal proceedings, to sign all lawfuld divisionals, continuations, C-I-P's, reissue and foreign applications, to make a snerally to do everything possible to aid HPED, its successors, assigns, nomineer I enforce, for its or their own benefit, proper patent protection for said invention(s) ourses provided the expenses which may be incurred by me/us in lending such HPED;
applications as aforesaid, to issue to h	equest the official of any country or countries whose duty it is to issue patents of IPED, as assignee of the entire right, title and interest, any and all Patent for said may be issued and granted on or as a result of the application aforesaid, in nment.
I/we further authorize and direct application for Patent, now identified by known to them.	the attorneys of record to insert the filing date and application number of saily the Record ID and title set forth above, as soon as the same shall have been made
IN WITNESS WHEREOF, I/we hereunt	o set my/our hand(s) and seal(s):
Inventor's Signature	Date
Nathaniel Rog	ers
First/Middle Name Last	Name
land a market	02/01/2017
Inventor's Signature	Date
Sonali Son	nyalipi

Page 1 of 2

PATENT APPLICATION

RECORD	ID:	90323228	

ASSIGNMENT OF PATENT APPLICATION (cont.)

inventor's Signature			***************************************	 Date		 **	
Robert	N	nilsot-lsə					
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First/Middle Name	₹.0	23 18681165					
No make de Piese de ma				 Flade		 	
Inventor's Signature				Date			٠
Lisa	Łi	u					
First/Middle Name		ist Name					
Inventor's Signature			***************************************	 Date		 ·····	 ********
Sujatha	N	ludupalli					
First/Middle Name		ist Name					
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Inventor's Signature	***************************************	***************************************		 Date		 	
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First/Middle Name	1.2	ast Name					
Inventor's Signature				 Date	*************		
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First/Middle Name	L	ast Name					
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Inventor's Signature				 Date		 	
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RECORD ID:	90323228
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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:

	and under an application for	Patent entitled:
MODIFYING MEMBER	SHIP OF REPLICATION (ROUPS VIA JOURNAL OPERATIONS
Filing Date:		Application No.:
divisionals, and renewal	s of and substitutes for sa	nerein, and any and all continuations, continuations-in-part (C-I-P's), d application for said Patent, and any and all other Patent of any herefore; and any reissues, or reexaminations, or extensions of said
by HPED, its successors Patent respectively may	s, assigns, nominees or leg	ons in my/our name for Patent in any country, to be held and enjoyed I representatives, to the full end of the term or terms for which said ended, as fully and entirely as the same would have been held and ot been made;
executed and will not exitime a request is made, a perfect the title to said in nominees or legal repressaid invention(s) or imprepapers, to execute all drightful oaths and declar and legal representatives	ecute any agreement in con and without undue delay, ex vention(s) or improvement(s tentatives, and I/we agree to ovement(s), said application disclaimers and divisionals, ations, and generally to do to obtain and enforce, for it and all countries provided	nt to convey the entire interest herein assigned, and that I/we have not lict herewith, and I/we further covenant and agree that I/we will, each cute and deliver all such papers as may be necessary or desirable to a said application and said Patent, to HPED, its successors, assigns, communicate to HPED, or to its nominee, all known facts respecting and said Patent, to testify in any legal proceedings, to sign all lawful continuations, C-I-P's, reissue and foreign applications, to make all everything possible to aid HPED, its successors, assigns, nominees or their own benefit, proper patent protection for said invention(s) or the expenses which may be incurred by me/us in lending such
applications as aforesaid	l, to issue to HPED, as ass nent(s) which may be issu	cial of any country or countries whose duty it is to issue patents on gnee of the entire right, title and interest, any and all Patent for said and granted on or as a result of the application aforesaid, in
		of record to insert the filing date and application number of said and title set forth above, as soon as the same shall have been made
IN WITNESS WHEREO	F, I/we hereunto set my/our h	nd(s) and seal(s):
Inventor's Signature		Date
Nathaniel	Rogers	
First/Middle Name	Last Name	·
Inventor's Signature		Date
Sonali	Somyalipi	
First/Middle Name	Last Name	

Page 1 of 2

PATENT APPLICATION

Fort Collins, Colorado 80528		RECORD ID:	90323228
	ASSIGNMENT OF PATENT	APPLICATION (con	t.)
Robert Neal	- Osli	//	31/2017
Inventor's Signature		Date	
Robert	Neal-Joslin		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Lisa	Liu		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Sujatha	Mudupalli		
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		

Page 2 of 2

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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:

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Filing Date:		Application No.:
divisionals, and renewals	of and substitutes for said	rein, and any and all continuations, continuations-in-part (C-I-P's). application for said Patent, and any and all other Patent of any arefore; and any reissues, or reexaminations, or extensions of said
by HPED, its successors, Patent respectively may I	assigns, nominees or legal	es in my/our name for Patent in any country, to be held and enjoyed representatives, to the full end of the term or terms for which said ded, as fully and entirely as the same would have been held and been made;
executed and will not exe time a request is made, as perfect the title to said invidented in the nominees or legal repressaid invention(s) or impropapers, to execute all disrightful oaths and declarated and legal representatives	cute any agreement in conflicted without undue delay, exectention(s) or improvement(s), entatives, and I/we agree to divernent(s), said application a sclaimers and divisionals, contions, and generally to do exto obtain and enforce, for its and all countries provided the	to convey the entire interest herein assigned, and that I/we have not the therewith, and I/we further covenant and agree that I/we will, each ute and deliver all such papers as may be necessary or desirable to said application and said Patent, to HPED, its successors, assigns, communicate to HPED, or to its nominee, all known facts respecting and said Patent, to testify in any legal proceedings, to sign all lawful intinuations, C-I-P's, reissue and foreign applications, to make all verything possible to aid HPED, its successors, assigns, nominees or their own benefit, proper patent protection for said invention(s) or the expenses which may be incurred by me/us in lending such
applications as aforesaid,	to issue to HPED, as assignent(s) which may be issued	al of any country or countries whose duty it is to issue patents or nee of the entire right, title and interest, any and all Patent for said d and granted on or as a result of the application aforesaid, in
		of record to insert the filing date and application number of said and title set forth above, as soon as the same shall have been made
IN WITNESS WHEREOF	, I/we hereunto set my/our han	d(s) and seal(s):
Inventor's Signature		Date
Nathaniel	Rogers	
First/Middle Name	Last Name	
Inventor's Signature		Date
Sonali	Somyalipi	
First/Middle Name	Last Name	

Page 1 of 2

PATENT APPLICATION

Fort Collins, Colorado 80528		RECORD ID: 90323228	
	ASSIGNMENT OF PA	TENT APPLICATION (cont.)	
Inventor's Signature		Date	
Robert	Neal-Joslin		
First/Middle Name	Last Name		
/Lisa Liu/		Feb 1, 2017	
Inventor's Signature		Date	
Lisa	Liu		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Sujatha	Mudupalli		
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 06/15 Page 2 of 2

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

Rev 06/15

PATENT APPLICATION

Mail Stop 79		
Fort Collins, Colorado 80528	RECORD ID:	90323228

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:

MODIFYING MEMBERS	HIP OF REPLICATION GI	ROUPS VIA JOURNAL OPERATIONS
Filing Date:		Application No.:
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by HPED, its successors,	assigns, nominees or legal e granted, reissued or exte	In sin my/our name for Patent in any country, to be held and enjoyed in representatives, to the full end of the term or terms for which said ended, as fully and entirely as the same would have been held and but been made;
executed and will not exectime a request is made, and perfect the title to said invenominees or legal represer said invention(s) or improve papers, to execute all discrightful oaths and declarational legal representatives to	ute any agreement in conflict without undue delay, execution(s) or improvement(s) ntatives, and I/we agree to ement(s), said application actaimers and divisionals, claimers and generally to do exposition and enforce, for its all countries provided	t to convey the entire interest herein assigned, and that I/we have not ict herewith, and I/we further covenant and agree that I/we will, each cute and deliver all such papers as may be necessary or desirable to , said application and said Patent, to HPED, its successors, assigns, communicate to HPED, or to its nominee, all known facts respecting and said Patent, to testify in any legal proceedings, to sign all lawful ontinuations, C-I-P's, reissue and foreign applications, to make all everything possible to aid HPED, its successors, assigns, nominees or their own benefit, proper patent protection for said invention(s) or the expenses which may be incurred by me/us in lending such
applications as aforesaid, t	to issue to HPED, as assig ent(s) which may be issue	cial of any country or countries whose duty it is to issue patents on the entire right, title and interest, any and all Patent for said and granted on or as a result of the application aforesaid, in
I/we further authorize application for Patent, now known to them.	and direct the attorneys identified by the Record ID	of record to insert the filing date and application number of said and title set forth above, as soon as the same shall have been made
IN WITNESS WHEREOF,	I/we hereunto set my/our har	nd(s) and seal(s):
Inventor's Signature	,	Date
Nathaniel	Rogers	
First/Middle Name	Last Name	·
Inventor's Signature		Date
Sonali	Somyalipi	
First/Middle Name	Last Name	· .

Page 1 of 2

PATENT APPLICATION

ron collins, colorado 805	28]	RECORD ID:	90323228
	ASSIGNMENT OF PATI	ENT APPLICATION (con	£.)
Inventor's Signature		Date	
Robert	Neal-Joslin		
First/Middle Name	Last Name		
Inventor's Signature		Date	
Lisa	Liu		
First/Middle Name	Last Name		
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Inventor's Signature		Date	
Sujatha	Mudupalli		
First/Middle Name	Last Name		
Inventor's Signature		Date	
First/Middle Name	Last Name		
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Page 2 of 2

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RECORDED: 02/09/2017