503541502 10/27/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHOUDUR LAKSHMINARAYAN	04/30/2013
RAMAKUMAR KOSURU	04/29/2013
QIFAN CHEN	04/29/2013
HANSJORG ZELLER	04/29/2013

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:	14787326	

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@hp.com

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

ATTORNEY DOCKET NUMBER:	90098076
NAME OF SUBMITTER:	LAURA M. ZAVALA
SIGNATURE:	/Laura M. Zavala/
DATE SIGNED:	10/27/2015

Total Attachments: 4

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PATENT REEL: 036891 FRAME: 0415 HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

Rev 1/2013 (Assignment)

PATENT APPLICATION

ntellectual Propeny Administrator 1404 E. Harmony Road Mall Stop 35	REC	ORD ID:	83209777
Fort Collins, Colorado 80528			**************************************
I/We, the undersigned	ASSIGNMENT OF PATENT API		
eceipt of which is hereby and DEVELOPMENT COMPANY, I Fexas, (hereinafter HPDC), and	cknowledged, and in furtherance of L.P., a Texas Limited Partnership hav d to its subsidiaries and affiliates, to as and interest, including the right of prio	my/our o ring its pri ssign and t	bligations to HEWLETT-PACKARD noipal place of business in Houston, ransfer to HPDC, its successors and
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by HPDC, its successors, assign Palent respectively may be gran	RPDC to file applications in my/our name ns, nominees or legal representatives, to nted, reissued or extended, as fully and nment, and transfer not been made;	o the full e	nd of the term or terms for which said
executed and will not execute ar time a request is made, and with perfect the title to said inventions nominees or legal representative said invention(s) or improvemen papers, to execute all disclaime rightful oaths and declarations.	that I/we have full right to convey the enti- ny agreement in conflict herewith, and I/n out undue delay, execute and deliver all (s) or improvement(s), said application a se, and I/we agree to communicate to HI t(s), said application and said Patent, to ers and divisionals, continuations, C-I-P and generally to do everything possible sin and enforce, for its or their own bene- countries provided the expenses white aid by HPDC;	we further of such paper and said Paper PDC, or to testify in a testif	covenant and agree that I/we will, each rs as may be necessary or desirable to tent, to HPDC, its successors, assigns, its nominee, all known facts respecting my legal proceedings, to sign all lawful and foreign applications, to make all DC, its successors, assigns, nominees atent protection for said invention(s) or
applications as aforesaid, to issu	and request the official of any country ue to HPDC, as assignee of the entire r which may be issued and granted or assignment.	ight, title a	nd interest, any and all Patent for said
	direct the attorneys of record to inser ified by the Record ID and title set forth a		
IN WITNESS WHEREOF, I	we hereunto set my/our hand(s) and	seal(s):	
<u>Charoliv IR Las</u> Inventor's Signature	echinarayen_	Date	94/30/2013
Choudur Lakshminarayan	•		
Inventor's Typed Name		-	

Inventor's Signature		Date	
Ramakumar Kosuru Inventor's Typed Name		٤	

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HEWLETT-PACKARD COMPANY

Rev 1/ 2013 (Assignment)

PATENT APPLICATION

Intellectual Property Administrator		PAICHI MPPCAMIUM
3404 E. Harmony Road	ex	ECORD ID: 83209777
Mail Stop 35 Fort Collins, Colorado 80528	NG.	2000 30.
<u> </u>	ASSIGNMENT OF PATENT AI	PPLICATION
receipt of which is hereby ac DEVELOPMENT COMPANY, L Texas, (hereinafter HPDC), and	knowledged, and in furtherance of "P., a Texas Limited Pertnership ha I to its subsidiaries and affiliates, to a	ree, that for good and valuable consideration, the of my/our obligations to HEWLETT-PACKARD aving its principal place of business in Houston, assign and transfer to HPDC, its successors and iority, in, to and under an application for Patent
Incrementally Updating Statis	tics	
Filing Date:	Applica	ation No.:
divisionals, and renewals of and	substitutes for said application for s	nd all continuations, continuations-in-part (C-t-P's), said Patent, and any and all other Patent of any reissues, or reexaminations, or extensions of said
by HPDC, its successors, assign Palent respectively may be grant	s, nominees or legal representatives,	ne for Patent in any country, to be held and enjoyed to the full end of the term or terms for which said and 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, and legal representatives to obtain	y agreement in conflict herewith, and it out undue delay, execute and deliver a s) or improvement(s), said application s, and live agree to communicate to I (s), said application and said Patent, t rs and divisionals, continuations, C-I- and generally to do everything possible in and enforce, for its or their own ben- countries provided the expenses with	ntire interest herein assigned, and that I/we have not I/we further covenant and agree that I/we will, each all such papers as may be necessary or desirable to and said Patent, to HPDC, its successors, assigns, HPDC, 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 HPDC, its successors, assigns, nominees refit, proper patent protection for said invention(s) or hich may be incurred by me/us in lending such
applications as aforesaid, to issu	e to HPDC, as assignee of the entire which may be issued and granted of	y or countries whose duty it is to issue patents on right, title and interest, any and all Patent for said on or as a result of the application aforesaid, in
		ert the filing date and application number of said above, as soon as the same shall have been made
IN WITNESS WHEREOF, IA	we hereunto set my/our hand(s) and	d seal(s):
Inventor's Signature		Date
Choudur Lakshminarayan Inventor's Typed Name	weGM)	429/2013
Inventor's Signature	*	Date
Ramakumar Kosuru Inventor's Typed Name		

Page 1 of

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road	PATENT APPLICATION
Mail Stop 35 Fort Collins, Colorado 80528	RECORD ID: 83209777
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inventor's Signature	Cale
QiFan Chen	
Inventor's Typed Name	Abdaharan nagarangan naga

inventor's Signature	Dale
Hanelong Zeller	·
Inventor's Typed Name	
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Inventor's Signature	Date
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HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

PATENT APPLICATION

Mail Stop 35 Fort Collins, Cotorado 80528	RECORD ID:	83209777	
ASSIGNMENT OF PATENT APPLICATION (cont.)			
Inventor's Signature	Date		
QiFan Chen Inventor's Typed Name			
Inventor's Signature	——————————————————————————————————————	8/2013	
Hansjorg Zeiler Inventor's Typed Name			
inventor's Signature	Date		
Inventor's Typed Name	· · · · · · · · · · · · · · · · · · ·		
Inventor's Signature	Date		
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