#### 504211852 02/03/2017

# PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4258529

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
PRAMOD SHANBHAG	01/27/2015
MOHAMMED JAVED PADINHAKARA	01/27/2015
SANTOSH KUMAR SINGH	01/27/2015

#### **RECEIVING PARTY DATA**

Name:	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.
Street Address:	11445 COMPAQ CENTER DRIVE WEST
City:	HOUSTON
State/Country:	TEXAS
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#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15501580

#### **CORRESPONDENCE DATA**

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Address Line 2: MAIL STOP 79

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ATTORNEY DOCKET NUMBER:	90345018
NAME OF SUBMITTER:	DEBORAH HIGHAM
SIGNATURE:	/Deborah Higham/
DATE SIGNED:	02/03/2017

#### **Total Attachments: 3**

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> **PATENT REEL: 041167 FRAME: 0595** 504211852

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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.

Jimited Partnership having subajdiaries and affiliates.	g its principal place of business i agree to assign and transfer and her	n Houston, Texas. (hereinafter HPDC), and to its aby assign and transfer to HPDC, its successors and of priority, in, to and under an application for Patent
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Filing Date:	Ap	plication No:
divisionals, and renewals c	f and substitutes for said application	my and all continuations, continuations-in-part (C-I-P's), for said Patent, and any and all other Patent of any I any reissues, or reexaminations, or extensions of said
by HPDC, its successors, a Patent respectively may be	ssions, nominees or legal represents	r name for Patent in any country, to be held and enjoyed fives, to the full and of the term or terms for which said ily and entirely as the same would have been held and e.
executed and will not execu- time a request is made, and pertent the title to said inver- nominees or legal represen- said invention(s) or improve papers, to execute all disc rightful oaths and declarati- and legal representatives to improvement(s) in any an cooperation and assistance	the any agreement in conflict herewith, i without undue delay, execute and de- ition(s) or improvement(s), said applica- testives, and live agree to communicat iment(s), said application and said Pa- lasmers and divisionals, continuations ons, and generally to do everything p robtain and enforce, for its or their ow- d all countries provided the expens- are paid by HPDC;	the entire interest herein assigned, and that I/we have not and tive further covenant and agree that I/we will, each liver all such papers as may be necessary or desirable to ation and eald Patent, to HPDC, its successors, assigns, e to HPDC, or to its nominee, all known facts respecting tent, to testify in any legal proceedings, to sign all lawful occidents, and the processible to aid HPDC, its successors, assigns, nominees in benefit proper patent protection for said invention(s) or es which may be incurred by me/us in lending such
annications as afmeasid t	o issue to MPOC, as assignee of the nt(s) which may be issued and gran	ountry or countries whose duty it is to issue patents or entire right, title and interest, any and all Patent for sak itted on or as a result of the application aforesaid, in
I/we further authorize application for Patent, now known to them.	and direct the attemeye of record to identified by the Record ID and title se	o insert the filing date and application number of sald forth above, as soon as the same shall have been made
IN WITNESS WHERE	JF, I/we hereunto set my/our hand	(s) and seal(s):
		27-01-2015
inventor's Signature		Date
Pramod	Shanbhag	
First/Middle Name	Last Name	
Inventor's Signature		<u>Data</u>
Mohammed Javed	Padinhakara	
First/Middle Name	Last Name	······································
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**PATENT** 

**REEL: 041167 FRAME: 0596** 

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528

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RECORD ID:	84148266
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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, d. in furtherance of my/our obligations to HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P., a Texas

Limited Partnership havin subsidiaries and affiliates,	g its principal place of busine agree to assign and transfer and	ss in Houston, Texas, (hereinafter HPDC), and to its I hereby assign and transfer to HPDC, its successors and ght of priority, in, to and under an application for Patent
	RK ELEMENT FOR TAP TRAFF	ic .
Filing Date:		Application No.:
divisionals, and renewals of	of and substitutes for said applica	nd any and all continuations, continuations-in-part (C-I-P's) ation for said Patent, and any and all other Patent of any and any reissues, or reexaminations, or extensions of said
by HPDC, its successors, a Patent respectively may be	issigns, nominees or legal represe	y/our name for Patent in any country, to be held and enjoyed entatives, to the full end of the term or terms for which said is fully and entirely as the same would have been held and made;
executed and will not execu- time a request is made, and perfect the title to said inver- nominees or legal represen- said invention(s) or improve papers, to execute all disc rightful oaths and declarationand legal representatives to	te any agreement in conflict here, without undue delay, execute and altion(s) or improvement(s), said applicatives, and I/we agree to community and said application and said laimers and divisionals, continuations, and generally to do everythin obtain and enforce, for its or their distributions and countries provided the exp	vey the entire interest herein assigned, and that I/we have no with, and I/we further covenant and agree that I/we will, each if deliver all such papers as may be necessary or desirable to oplication and said Patent, to HPDC, its successors, assigns nicate to HPDC, or to its nominee, all known facts respecting if Patent, to testify in any legal proceedings, to sign all lawfutions, C-I-P's, reissue and foreign applications, to make a nig possible to aid HPDC, its successors, assigns, nomineer own benefit, proper patent protection for said invention(s) openses which may be incurred by me/us in lending sucl
applications as aforesaid, to	o issue to HPDC, as assignee of nt(s) which may be issued and	ny country or countries whose duty it is to issue patents of the entire right, title and interest, any and all Patent for said 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 of reco dentified by the Record ID and title	rd to insert the filing date and application number of said e set forth above, as soon as the same shall have been made
IN WITNESS WHEREC	DF, I/we hereunto set my/our ha	and(s) and seal(s):
Inventor's Signature		Date
Pramod	Shanbhag	
First/Middle Name	Last Name	
<u> Janut</u>		27/Jan/2415
Inventor's Signature		Date /
Mohammed Javed	Padinhakara	
First/Middle Name	Last Name	
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**PATENT REEL: 041167 FRAME: 0597**  HEWLETT PACKARD COMPANY intellectual Property Administrator 3404 E. Harmony Road Mail Stop 36 Fort Collins, Coloredo 80528

#### PATENT APPLICATION

RECORD ID:	84148266

## ASSIGNMENT OF PATENT APPLICATION (cont.)

		24-01-2012
inventor's Signature		Ditte
Santosh Kumar	Singh	
First/Middle Name	Lost Name	
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		MANAGEMENT
Inventor's Signature		Date
First/Middle Name	Last Name	

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