## 504183571 01/18/2017

# **PATENT ASSIGNMENT COVER SHEET**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SOUVIK SEN	09/11/2014
ANIL GUPTA	08/17/2014
MANFRED R. ARNDT	08/18/2014

#### **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:	15327119

#### **CORRESPONDENCE DATA**

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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.

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NAME OF SUBMITTER:	LAURA M. ZAVALA
SIGNATURE: /Laura M. Zavala/	
DATE SIGNED:	01/18/2017

## **Total Attachments: 3**

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PATENT 504183571 REEL: 041005 FRAME: 0563

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

Rev 8/2014 (Assignment)

PATENT	APPLICA	THIN

	RECORD ID:	 8382247	4	
ASSIGNMENT OF PATENT	APPLICAT	resa d	,	a & 1

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 DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), and to its

		er and hereby assign and transfer to HPOC, its successors and the right of priority, in, to and under an application for Patent
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divisionals, and renewals i	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 HPDC, its successors, a	assigns, nominees or legal granted, reissued or exter	is in mylour name for Patent in any country, to be held and enjoyed representatives, to the full end of the term or terms for which said ided, as fully and entirely as the same would have been held and been made;
executed and will not executime a request is made, and perfect the title to said inventioninees or legal represensaid invention(s) or improve papers, to execute all discinguistic oaths and degal representatives to improvement(s) in any and cooperation and assistance.  ANO live hereby auth applications as aforesaid, to	ute any agreement in conflict without undue detay, exercition(s) or improvement(s), latives, and live agree to dement(s), said application attainers and divisionals, soons, and generally to do elso obtain and enforce, for its did all countries provided the peid by HPDC; corize and request the officio issue to HPDC, as assig	to convey the entire interest herein assigned, and that I/we have not at herewith, 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 HPDC, its successors, assigns, primuricate to HPDC, 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 rerything possible to aid HPDC, its successors, assigns, nominees or their own benefit, proper patent protection for said invention(s) or he expenses which may be incurred by me/us in lending such all of any country or countries whose duty it is to issue patents on see of the entire right, title and interest, any and all Patent for said
accordance with the terms		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 WHERE	OF, I/we hereunto set my	our hand(s) and seal(s):
Sourik Ser	^	9/11/2014
Inventor's Signature		Date
Souvik	Sen	
First/Middle Name	Last Name	
Inventor's Signature		Date
Anil	Gupta	
First/Middle Name	Last Name	······································

Page 1 of 2

**PATENT REEL: 041005 FRAME: 0564** 

SEVEETY PACKARO COMPA	N7
Intellectual Property Administra	
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First/Middle Name

864/5/2014 (Antigement)

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PATENT	METER S	1.30	115.50

RECORD ID.	83822474

## ASSIGNMENT OF PATENT APPLICATION

IVVe, the undersigned (each), for good and valuable consideration, the receipt of which is hereby acknowledged.

imited Parthership havii umsidiscips and affiliates.	ng its principal place of soree to assign and trans	LETT.PACKARD GEVELOPMENT COMMANY, L.P., a 1 exection business in Houston, Texas, (hereinafter HPDC), and to its size and hereby assign and transfer to HPDC, its successors and a the right of priority, in, to and under an application for Patern
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alleria con locale aleganica de la constanta d	of any committee for said	erein, and any and all continuations, continuations in part (C-1-Ps) tampication for said Patent, and any and all other Patent of any seretore, and any reissues, or feexaminations or extensions of said
by HPOC, its soccessors. Patent respectively may be	acciones membrana de lacia	ns in mylour name for Paterii in any country, to be held and enjoyed I representatives, to the full end of the term or terms for which said inded, as fully and entirely as the same would have been held and ploesn made:
executed and will not execu- time a request is made, an perfect the title to said inve- nominess or legal represer- said invention(s) or improv- papers, to execute all dis- rights; paths and declarations	ute any agreement in confid without undue delay, exe intice[s] or improvement(s), italians, end divisionals, italians, and generally to do a cottain and enforce, for its or all countries provided.	I jo convey the entire interest herein assigned, and that tive have no cot herewith, and tiwe further covernent and agree that tive will, each cote and deliver all such papers as may be necessary or desirable to said application and said Patent, to HPDC, its successors, assigns communicate to HPDC, or to its nominee, all known facts respecting and said Patent, to testify in any legal proceedings, to sign all levels continuations. C-L-P's, ressure and foreign applications, to make all proprietions, to sign affects as proprieting possible to aid HPDC, its successors, assigns, nomineer or their own benefit, proper patent protention for said invention(s) of the expenses which may be incurred by me/us in lending such
minimultant de statement	to issue to HPOC, as assi int(s) which may be lead	cial of any country or countries whose duty it is to issue patents or givee of the entire right, title and interest, any and all Patent for sais ad and granted on or as a result of the application aforesaid, is
liwe further euthorize application for Patent, now known to them,	and direct the attorneys identified by the Resard II.	of moord to insert the fliing date and application number of sain and the selftorm above, as soon as the same shall have been made
IN WITNESS WHERE	QF, I/we hererunto set m	y/our hand(s) and \$60l(s).
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Page 1 of 2"

HEWLETT-PACKARD COMPANY Intellectual Property Administrator 3404 E. Harmony Road Mail Stop 35

## PATENT APPLICATION

Mail Stop 35 Fort Cellins, Colorado 80528	RE	CORD ID:	83822474
A	SSIGNMENT OF PATENT APPL	ICATION (cor	nt.)
Manfred R. C	2 molt		18/2014
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Manfred R	Amdt		
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	
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First/Middle Name	Last Name	-	
Inventor's Signature		Date	
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**RECORDED: 01/18/2017**