## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
DAVID CHI	01/15/2016
SHIH-HUANG WU	01/15/2016
PO-CHAO CHEN	01/15/2016

## **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:	15748601

## **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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Address Line 2: INTELLECTUAL PROPERTY

Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	84914776
NAME OF SUBMITTER:	ASHOK K. MANNAVA
SIGNATURE:	/Ashok K. Mannava/
DATE SIGNED:	03/05/2018

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

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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 DEVELOPMENT COMPANY, L.P., a Texas Limited Partnership having its principal place of business in Houston, Texas, (hereinafter HPDC), and to its subsidiaries and affiliates, agree to assign and transfer and hereby assign and transfer to HPDC, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Patent entitled:

DUAL-BAND WIRELESS LA	IN ANTENNA			
Filing Date:		Application No		
and the invention(s) and impredivisionals, and renewals of a countries thereto which may be Patent.	and substitutes for sa	aid application for said Pati	ent, and any and all other	Patent of any
I/we additionally authorize by HPDC, its successors, ass Paterit respectively may be gr enjoyed by me/us had this assi	igns, nominees or leg anted, reissued or ex	tended, as fully and entirel	all end of the term or terms	s for which said
AND I/we hereby covenant executed and will not execute time a request is made, and will period the title to said invention nominees or legal representallisaid invention(s) or improvement papers, to execute all disclair rightful paths and declarations, legal representatives to obtain improvement(s) in any and all cand assistance are paid by HPI	any agreement in con thout undus delay, ex in(s) or improvemently ves, and I/we agree to ent(s), said application ners and divisionals, and generally to do e and enforce, for its countries provided the	recute and deliver all such p s) said application and said o communicate to HPDC, o i and said Patent, to testify continuations, C-I-P's, reis verything possible to aid HP or their own benefit, prope	ner covenant and agree that apers as may be necessar. Patent, to HPDC, its successor to its nominee, all known in any legal proceedings, sue and foreign application DC, its successors, assign in patent profection for said	t thee will, each y or desirable to essors, assigns, facts respecting to sign all lawful ins, to make all s, nominees and if invention(s) or
AND I/we hereby authorize applications as aforesaid, to is invention(s) or improvement(s) accordance with the terms of the series of the serie	sue to HPDC, as ass ) which may be issi	ficial of any country or cou signee of the entire right, til ued and granted on or as	fe and interest, any and a	I Patent for said
I/we further authorize are application for Patent, now ider known to them.	direct the attorney titled by the Record I	s of record to insert the f D and title set forth above.	iling date and application as soon as the same shall	number of said have been made
IN WITNESS WHEREOF,	/we hereunto set m	ny/our hand(s) and seal(s)	r	
Davi ok Inventor's Signature	Cui	Date	2016 1 15	•
David	Chi			
First/Middle Name	Last Name			
Signature		Date	•	
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HP Inc.	
3390 E. Harmony Road	
Mail Stop 35	Ì
Fort Collins, Colorado 8052	28

Rev 8/2014 (Assignment)

## PATENT APPLICATION

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RECORD ID:	84422611

## 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 DEVELOPMENT COMPANY, L.P., a Texas

subsidiaries and affiliate:	s, agree to assign and tran	business in Houston, Texas, (hereinafter HPDC), and to its sfer and hereby assign and transfer to HPDC, its successors and g the right of priority, in, to and under an application for Patent
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Filing Date:		Application No.:
divisionals, and renewals	of and substitutes for sai	erein, 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 nerefore; and any reissues, or reexaminations, or extensions of said
by HPDC, its successors Patent respectively may l	, assigns, nominees or lega	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 at been made;
executed and will not exe- time a request is made, a perfect the title to said invo nominees or legal repress said invention(s) or impro papers, to execute all di- rightful oaths and declarat- legal representatives to c	cute any agreement in confind without undue delay, exemption(s) or improvement(s) entatives, and I/we agree to vement(s), said application sclaimers and divisionals, dions, and generally to do evibtain and enforce, for its of all countries provided the second	It 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 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 lawful continuations, C-I-P's, reissue and foreign applications, to make all erything possible to aid HPDC, its successors, assigns, nominees and if their own benefit, proper patent protection for said invention(s) or expenses which may be incurred by me/us in lending such cooperation.
applications as aforesaid,	to issue to HPDC, as assi- ent(s) which may be issue	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 ad and granted on or as a result of the application aforesaid, in
		of record to insert the filling date and application number of said and title set forth above, as soon as the same shall have been made
IN WITNESS WHERI	EOF, I/we hereunto set my	r/our hand(s) and seal(s):
Inventor's Signature		Date
David	Chi	
First/Middle Name	Last Name	······································
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Inventor's Signature	A "V"	Date
Shih-Huang	Wu Wu	
First/Middle Name	Last Name	······································

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# PATENT APPLICATION

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	ASSIGNMENT OF PA	ATENT APPLICATION (cont.)
Po ClAdo Inventor's Signature	Chen	2016. 1.15. Date
Po-Chao First/Middle Name	Chen Last Name	
Inventor's Signature		Date
First/Middle Name	Last Name	
Inventor's Signature		Date
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wentor's Signature		Date
er (Angele Pare)	Last Notes	

Review No Company

Page 2 of 2

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