506306351 10/16/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MING-SHAN TSAI	07/30/2018
CHI-WAH CHAN	07/30/2018
WEI-CHIH TSAO	07/30/2018

RECEIVING PARTY DATA

Name:	Hewlett-Packard Development Company, L.P.		
Street Address:	10300 Energy Drive		
City:	Spring		
State/Country:	TEXAS		
Postal Code:	77389		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17048134

CORRESPONDENCE DATA

Fax Number: (970)778-4063

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.

(541)360-4450 Phone: Email: ipa.mail@hp.com

HP INC. **Correspondent Name:**

Address Line 1: 3390 E. HARMONY ROAD MS 35 Address Line 4: FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER: 85933061 CARRIE A. MILANO NAME OF SUBMITTER: SIGNATURE: /Carrie A. Milano/ **DATE SIGNED:** 10/16/2020

Total Attachments: 2

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PATENT REEL: 054073 FRAME: 0503 506306351

HP Inc. 3390 E. Harmony Road			PATENT APPLICATION	
Mail Stop 35 Fort Collins, Colorado 80528		RECORD ID:	84976732	
	ASSIGNMENT OF PAT	ENT 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 DIRECTION POPUR	CAMERAS			
Filing Date: <u>July 30, 2</u>	018	Application No.: PC	CT/US2018/044326	
divisionals, and renewals of	and substitutes for said applica	tion for said Patent, and	ns, continuations-in-part (C-I-P's), any and all other Patent of any kaminations, or extensions of said	
by HPDC, its successors, as Patent respectively may be	ssigns, nominees or legal represe	entatives, to the full end or s fully and entirely as the	ny country, to be held and enjoyed f the term or terms for which said same would have been held and	
executed and will not execut time a request is made, and perfect the title to said inven nominees or legal represents said invention(s) or improver papers, to execute all discli- rightful oaths and declaration legal representatives to obta	te any agreement in conflict herew without undue delay, execute and tion(s) or improvement(s), said ap atives, and I/we agree to commun ment(s), said application and said almers and divisionals, continuati is, and generally to do everything ; ain and enforce, for its or their or Il countries provided the expenses	with, and I/we further cover deliver all such papers as plication and said Patent, icate to HPDC, or to its no Patent, to testify in any le- ons, C-I-P's, reissue and cossible to aid HPDC, its s wn benefit, proper patent	in assigned, and that I/we have not nant and agree that I/we will, each may be necessary or desirable to to HPDC, its successors, assigns, ominee, all known facts respecting agal proceedings, to sign all lawful foreign applications, to make all uccessors, assigns, nominees and protection for said invention(s) or me/us in lending such cooperation	
applications as aforesaid, to	issue to HPDC, as assignee of t t(s) which may be issued and g	he entire right, title and in	nose duty it is to issue patents on terest, any and all Patent for said it of the application aforesaid, in	
I/we further authorize a application for Patent, now id known to them.	and direct the attorneys of recor lentified by the Record ID and title	d to insert the filing date set forth above, as soon a	e and application number of said as the same shall have been made	

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

Wing-Shan Isal

First/Middle Name Last Name

Chi-Wah Chan

First/Middle Name Last Name

Chi-Wah Chan

First/Middle Name Last Name

Last Name

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Rev 8/2014 (Assignment)

PATENT REEL: 054073 FRAME: 0504

HP Inc. 3390 E. Harmony Road Mail Stop 35 Fort Collins, Colorado 80528	RECORD (D:				PATENT APPLICATION 84976732		
1. 1.1	ASSIGNMENT OF I	PATENT APPLICATION		_			
Wer Chih	(SOLP		/	7.30	. 2078		
Inventor's Signature		Date	•				
Wei-Chih	Tsao						
First/Middle Name	Last Name						
Inventor's Signature		Date	<u> </u>				
-							
First/Middle Name	Last Name						
Inventor's Signature		Date		11			
First/Middle Name	Last Name						
Inventor's Signature	(P	Date)				
First/Middle Name	Last Name						
Inventor's Signature		Date	}				
First/Middle Name	Last Name						
Inventor's Signature		Date					
First/Middle Name	Last Name						

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PATENT REEL: 054073 FRAME: 0505

Rev 8/2014 (Assignment)