## 504662910 11/29/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
TZU-DER CHUANG	08/21/2017
CHING-YEH CHEN	08/21/2017
CHIH-WEI HSU	08/21/2017
YU-WEN HUANG	08/21/2017

### **RECEIVING PARTY DATA**

Name:	MEDIATEK INC.
Street Address:	NO. 1, DUSING ROAD 1ST
Internal Address:	SCIENCE-BASED INDUSTRIAL PARK
City:	HSIN-CHU
State/Country:	TAIWAN
Postal Code:	300

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15670109

#### CORRESPONDENCE DATA

**Fax Number:** (617)646-8646

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:** 6176468000

**Email:** patents ZachP@wolfgreenfield.com

Correspondent Name: WOLF, GREENFIELD
Address Line 1: 600 ATLANTIC AVENUE

Address Line 4: BOSTON, MASSACHUSETTS 02210

ATTORNEY DOCKET NUMBER: M1295.70147US01

NAME OF SUBMITTER: ZACHARY P. PICCOLOMINI

SIGNATURE: /Zachary P. Piccolomini/

DATE SIGNED: 11/29/2017

**Total Attachments: 6** 

source=M1295.70147US01 - Executed Assignment#page1.tif

PATENT REEL: 044253 FRAME: 0112

EPAS ID: PAT4709632

504662910

source=M1295.70147US01 - Executed Assignment#page2.tif	
source=M1295.70147US01 - Executed Assignment#page3.tif	
source=M1295.70147US01 - Executed Assignment#page4.tif	
source=M1295.70147US01 - Executed Assignment#page5.tif	
source=M1295.70147US01 - Executed Assignment#page6.tif	

PATENT REEL: 044253 FRAME: 0113

#### **ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

- Sell, assign and transfer to MediaTek Inc., a Taiwan ROC Corporation having a place of business at No. 1, Dusing Rd. 1st, Science-Based Industrial Park, Hsin-Chu 300, TAIWAN ROC, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the patent application for United States Letters Patent filed in the United States Patent and Trademark Office on August 7, 2017 under No. 15/670109, bearing Attorney Docket No. M1295.70147US01, and entitled PATTERN-BASED MOTION VECTOR DERIVATION FOR VIDEO CODING, and in and to the application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of the inventions and designs; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions and designs, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea; as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent, including a reasonable royalty relating to provisional rights under 35 U.S.C. § 154(d) that have attached to any published United States patent application, on the inventions and designs;
- 2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions and designs in its own name; and when requested, without charge to but at the expense of the Assignee, agree to carry out in good faith the intent and purpose of this Assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all the inventions and designs, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and designs and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and designs and for vesting title to the inventions and designs and all applications for patents and all patents on the inventions and designs, in the Assignee;
- 3. Request the Director of the United States Patent and Trademark Office and foreign patent authorities to issue the Letters Patent or other intellectual property rights, including foreign patents, to the Assignee;
- 4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing application identification information or correct any errors in the application identification information provided above, whether discovered prior to or after recordation;
- 5. Covenant with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and

Attorney Docket No. M1295.70147US01

Page 1 of 6

6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

Attorney Docket No. M1295.70147US01

Page 2 of 6

7011.8.71		Tzw Oer almy	
Date	Inventor:	Tzu-Der Chuang	***************************************
	Address:	5F., No.50, Zhuangjing 5th St.	
		Zhubei City, Hsinchu County 30	)2
		TAIWAN ROC	
	Citizenship:	Taiwan ROC	
Witness:			
Date	Signature	3	
	Name:		
	Address:		
Witness:			
Date	Signature	3	
	Name:		
	Address:		

Page 3 of 6

7017.8.V		diggh Clan
Date	Inventor:	Ching-Yeb Chen
	Address:	4F., No.809, Sec.5, Zhongxiao E.Rd., Nangang Dist.
		Taipei City 115
		TAIWAN ROC
	Citizenship:	Taiwan ROC
Witness:		
Date	Signature	9
	Name:	
	Address:	
Witness:		
Date	Signature	3
	Name:	
	Address:	

Page 4 of 6

219,873		Chih-Wei Han
Date	Inventor:	Chih-Wei Hsu
	Address:	7F., No.226, Guanxin Road
		East Dist.
		Hsinchu City 300
		TAIWAN ROC
	Cítizenship:	Taiwan ROC
3.3.V.		
Witness:		
Date	Signature	
	Name:	
	Address:	
		<u></u>
Witness:		
Date	Signature	
	Name:	
	Address:	

Page 5 of 6

<u>3017-8-2</u> Date	Inventor: Address: Citizenship:	Yu-Wen Nuang 8F., No.23, Ln. 298, Longji Zhongshan Dist. Taipei City 104 TAIWAN ROC Taiwan ROC	
Witness:			
Date	Signature		
	Name:		
	Address:		
Witness:			
Date	Signature	······································	
	Name:		
	Address:		

Page 6 of 6

5641278.1

PATENT REEL: 044253 FRAME: 0119