PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHUN-CHIA CHEN	02/13/2019
ZHEN-YEN LAI	02/13/2019
CHIH-WEI HSU	02/13/2019
TZU-DER CHUANG	02/13/2019
CHING-YEH CHEN	02/13/2019

RECEIVING PARTY DATA

Name:	MEDIATEK INC.	
Street Address:	NO. 1, DUSING ROAD 1	
Internal Address:	SCIENCE-BASED INDUSTRIAL PARK	
City:	HSINCHU CITY	
State/Country:	TAIWAN	
Postal Code:	30078	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16248452

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.

Phone: 949-383-5384 Email: pto@haniplaw.com HAN IP PLLC **Correspondent Name:**

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ATTORNEY DOCKET NUMBER:	MDTK.0327US
NAME OF SUBMITTER:	ANDY M. HAN
SIGNATURE:	/Andy M. Han/
DATE SIGNED:	02/19/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

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Total Attachments: 4

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PATENT REEL: 048366 FRAME: 0083

Attorney Docket Number: MDTK.0327US

Applicant Reference Number: MTKI-18-0599US

COMBINED DECLARATION AND ASSIGNMENT FOR APPLICATION FOR UNITED STATES LETTERS PATENT DECLARATION

tle of Invention:	HADDWADE	EDIENDIV	CONCEDAINE	MOTION	/COTOD E	PERMENTER
ne or mvermon.	DARIJWARE	FRIENULY.	CUNSIBAINEL	, ivic) i ic)iv v	'ECIUR D	PEINEINEN

As the below named inventor, I herek	by decla	are that:
This declaration is directed to:	(X)	The attached application, or
	()	U.S. Application or PCT international application number
	filed or	1

- The above-identified application was made or authorized to be made by me.
- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
- I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.
- I have reviewed and understand the contents of the present application, including the claims, as amended by any amendment specifically referred to herein.
- I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (MONTH/DAY/ YEAR)
62/622,234	01/26/2018 (26 January 2018)
62/723,014	08/27/2018 (27 August 2018)
62/740,470	10/03/2018 (03 October 2018)

POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) associated with Customer No.

13859

to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Send Correspondence to:

Han IP PLLC 500 Union Street, Suite 800 Seattle, WA 98101

Direct Telephone Calls To: (949) 383-5385

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PATENT REEL: 048366 FRAME: 0084

Attorney Docket Number: MDTK.0327US

Applicant Reference Number: MTKI-18-0599US

ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

1. Chun-Chia Chen 3. Chih-Wei Hsu

5. Ching-Yeh Chen

Zhen-Yen Lai4. Tzu-Der Chuang

Assignee:

MediaTek Inc.

No. 1, Dusing Road 1, Science-Based Industrial Park Hsinchu City 30078, Taiwan, R.O.C.

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of the above-identified invention for which:

provisional application(s) for United States Letters Patents was/were filed on

26 January 2018, 27 August 2018 and 03 October 2018 and was/were given U.S. Serial No(s). **62/622,234, 62/723,014 and 62/740,470, respectively**; and/or

☑ a non-provisional application for United States Letters Patent was/is:

☐ filed on 15 January 2019 and was given U.S. Serial No. 16/248,452; or filed concurrently herewith. Assignors hereby authorize and request ASSIGNEE's legal representatives, who are associated with customer number 13859, to handle all matters related to the above-identified application.

WHEREAS, MediaTek Inc. (hereinafter referred to as ASSIGNEE), a corporation of Taiwan, Republic of China (R.O.C.) having a place of business at No. 1, Dusing Road 1, Science-Based Industrial Park, Hsinchu City 30078, Taiwan, R.O.C., is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries; NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

> PATENT REEL: 048366 FRAME: 0085

Legal Name of First-Named Inventor: Chun-Chia CHEN				
Inventor's Signature:	Date:			
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Inventor's Signature:	Date:			
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Legal Name of Co-Inventor: Chih-Wei HSU				
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Attorney Docket Number: MDTK.0327US
Applicant Reference Number: MTKI-18-0599US

Inventor's Signature:

Date:

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RECORDED: 02/19/2019