

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4765790

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MAO-CHING CHIU	01/03/2018
TIMOTHY PERRIN FISHER-JEFFES	01/04/2018
CHONG-YOU LEE	01/05/2018
CHENG-YI HSU	01/04/2018
YEN-SHUO CHANG	01/04/2018
WEI-JEN CHEN	01/04/2018
JU-YA CHEN	01/04/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MEDIATEK INC.
<b>Street Address:</b>	NO. 1, DUSING ROAD 1
<b>Internal Address:</b>	SCIENCE-BASED INDUSTRIAL PARK
<b>City:</b>	HSINCHU CITY
<b>State/Country:</b>	TAIWAN
<b>Postal Code:</b>	30078
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15862661
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(206)792-5742
<i>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.</i>	
<b>Phone:</b>	949-383-5384
<b>Email:</b>	pto@haniplaw.com
<b>Correspondent Name:</b>	HAN IP CORPORATION
<b>Address Line 1:</b>	4790 IRVINE BOULEVARD SUITE 105-347
<b>Address Line 4:</b>	IRVINE, CALIFORNIA 92620
<b>ATTORNEY DOCKET NUMBER:</b>	MDTK.0209US
<b>NAME OF SUBMITTER:</b>	ANDY M. HAN
<b>SIGNATURE:</b>	/Andy M. Han, Reg. No. 60266/

<b>DATE SIGNED:</b>	01/08/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 5</b> source=MDTK_0209US_Combined_Declaration_Assignment#page1.tif source=MDTK_0209US_Combined_Declaration_Assignment#page2.tif source=MDTK_0209US_Combined_Declaration_Assignment#page3.tif source=MDTK_0209US_Combined_Declaration_Assignment#page4.tif source=MDTK_0209US_Combined_Declaration_Assignment#page5.tif	

Attorney Docket Number: MDTK.0209US

Applicant Reference Number: MTKI-17-141US

---

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

**DECLARATION**

Title of Invention: ***SHIFT COEFFICIENT AND LIFTING FACTOR DESIGN FOR NR LDPC CODE***

As the below named inventor, I hereby declare that:

This declaration is directed to:        ☒     The attached application, or  
   ☐     U.S. Application or PCT international application number \_\_\_\_\_  
   filed on \_\_\_\_\_.

- 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)
62/443,852	01/09/2017 (09 January 2017)
62/449,677	01/24/2017 (24 January 2017)

---

**POWER OF ATTORNEY**

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

<b>13859</b>
--------------

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

---

**Send Correspondence to:**

**Han IP Corporation**  
**4790 Irvine Boulevard Suite 105-347**  
**Irvine, CA 92620**  
**Direct Telephone Calls To: (949) 383-5385**  
**Email: pto@haniplaw.com**

## ASSIGNMENT

### PARTIES TO THE ASSIGNMENT

#### Assignor(s):

- |                                 |                   |               |
|---------------------------------|-------------------|---------------|
| 1. Mao-Ching Chiu               | 4. Cheng-Yi Hsu   | 7. Ju-Ya Chen |
| 2. Timothy Perrin Fisher-Jeffes | 5. Yen-Shuo Chang |               |
| 3. Chong-You Lee                | 6. Wei-Jen Chen   |               |

#### 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:

☒ multiple provisional applications for United States Letters Patents were filed on

**09 January 2017 and 24 January 2017** and were given U.S. Serial Nos. **62/443,852 and 62/449,677,**  
**respectively**; and/or


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

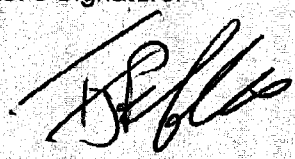
☐ filed on \_\_\_\_\_ and was given U.S. Serial No. \_\_\_\_\_; or filed concurrently herewith.

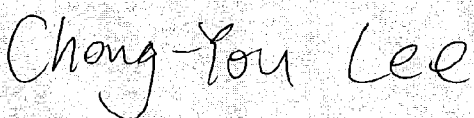
Assignors hereby authorize and request ASSIGNEE's legal representatives, of **Han IP Corporation, 4790 Irvine Boulevard Suite 105-347, Irvine, CA 92620**, who are associated with customer number **13859**, to handle all matters related to the above-identified application.

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.

<b>Legal Name of First-Named Inventor: Mao-Ching CHIU</b>	
Inventor's Signature: 	Date: Jan. 3, 2018
Residence: Chiayi County, Taiwan, R.O.C.	
Nationality: Taiwan, R.O.C.	
Mailing Address: 6F-2, No. 167, Chencuoliao, Sanhsing Tsun, Minxiong Township, Chiayi County 621, Taiwan, R.O.C.	

<b>Legal Name of Co Inventor: Timothy Perrin FISHER JEFFES</b>	
Inventor's Signature: 	Date: Jan 4 2018
Residence: Cambridge, Massachusetts, U.S.A.	
Nationality: United Kingdom	
Mailing Address: 5 Chalk Street, Cambridge, MA 02139, U.S.A.	

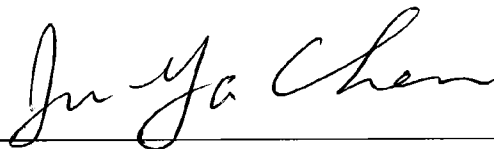

<b>Legal Name of Co Inventor: Cheng You LEE</b>	
Inventor's Signature: 	Date: Jan 5 2018
Residence: Taipei City, Taiwan, R.O.C.	
Nationality: Taiwan, R.O.C.	
Mailing Address: 4F, No. 16, Lane 218, Zunxian Street, Beitou District, Taipei City 112, Taiwan, R.O.C.	

<b>Legal Name of Co-Inventor: Cheng-Yi HSU</b>	
Inventor's Signature:  Cheng-Yi Hsu	Date:  2018/1/4
Residence: Taipei City, Taiwan, R.O.C.	
Nationality: Taiwan, R.O.C.	
Mailing Address: 8F, No. 36, Lane 173, Sec. 1, Zhongcheng Road, Shilin District, Taipei City 11, Taiwan, R.O.C.	

<b>Legal Name of Co-Inventor: Yen-Shuo CHANG</b>	
Inventor's Signature:  Yen-Shuo CHANG	Date:  2018/1/4
Residence: Hsinchu City, Taiwan, R.O.C.	
Nationality: Taiwan, R.O.C.	
Mailing Address: 6F, No. 185, Guanxin E. Road, East District, Hsinchu City 300, Taiwan, R.O.C.	

<b>Legal Name of Co-Inventor: Wei-Jen CHEN</b>	
Inventor's Signature:  Wei-Jen Chen	Date:  2018/1/4
Residence: Taipei City, Taiwan, R.O.C.	
Nationality: Taiwan, R.O.C.	
Mailing Address: 1F, No. 10, Lane 16, Wenzhou Street, Da'an District, Taipei City 106, Taiwan, R.O.C.	

Attorney Docket Number: MDTK.0209US  
 Applicant Reference Number: MTKI-17-141US

Legal Name of Co-Inventor: <b>Ju-Ya CHEN</b>	
Inventor's Signature:  	Date:  
Residence: Kaohsiung City, Taiwan, R.O.C.	
Nationality: Taiwan, R.O.C.	
Mailing Address: No. 34, Lane 129, Nenjiang Street, Sanmin District, Kaohsiung City 807, Taiwan, R.O.C.	