

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5592433

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YONGHO SEOK	06/06/2019
JIANHAN LIU	06/13/2019
CHAO-CHUN WANG	06/13/2019
JAMES CHI-SHI YEE	06/13/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MEDIATEK SINGAPORE PTE. LTD.
<b>Street Address:</b>	NO. 1 FUSIONOPOLIS WALK, #03-01
<b>City:</b>	SOLARIS
<b>State/Country:</b>	SINGAPORE
<b>Postal Code:</b>	138628
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16239445
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)938-9069
<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>	408-938-9060
<b>Email:</b>	officeaction@mhbpatents.com
<b>Correspondent Name:</b>	MEDIATEK, INC. C/O MURABITO, HAO & BARNE
<b>Address Line 1:</b>	111 NORTH MARKET STREET
<b>Address Line 2:</b>	SUITE 700
<b>Address Line 4:</b>	SAN JOSE, CALIFORNIA 95113
<b>ATTORNEY DOCKET NUMBER:</b>	MEDT-0039-03U00US
<b>NAME OF SUBMITTER:</b>	ANTHONY C. MURABITO
<b>SIGNATURE:</b>	/Anthony C. Murabito/
<b>DATE SIGNED:</b>	06/26/2019
<b>Total Attachments: 3</b>	
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Attorney Docket No.: MEDT-0039-03U00US

# **Assignment to MEDiatek SINGAPORE PTE. LTD.**

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we

Yongho Seok, Jianhan Liu, Chao-Chun Wang, James Chih-Shi Yee

do hereby sell, assign, and transfer unto MEDiatek SINGAPORE PTE. LTD. (hereinafter called MEDiatek), a Corporation of the Republic of China having its principal place of business at No. 1, Fusionopolis Walk, #03-01 Solaris, Singapore 138628, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

## **NULL DATA PACKET SOUNDING FOR PREAMBLE PUNCTURE TECHNIQUES**

\_\_\_\_\_ filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or

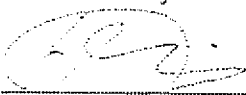
X Serial No.: 16/239,445 filed on 03-JAN-2019 and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;

And for the above consideration, I/we agree promptly upon request of MEDiatek SINGAPORE PTE. LTD., its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to MEDiatek SINGAPORE PTE. LTD., its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by MEDiatek SINGAPORE PTE. LTD.

I/we further covenant with MEDiatek SINGAPORE PTE. LTD., its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature: \_\_\_\_\_

  
Yongho Seok

Date: \_\_\_\_\_

06/06/2019

Inventor's Signature: \_\_\_\_\_

Jianhan Liu

Date: \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_

Chao-Chun Wang

Date: \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_

James Chih-Shi Yee

Date: \_\_\_\_\_

Attorney Docket No.: MEDT-0039-03U00US

**Assignment to MEDIATEK SINGAPORE PTE. LTD.**

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we

Yongho Seok, Jianhan Liu, Chao-Chun Wang, James Chih-Shi Yee

do hereby sell, assign, and transfer unto MEDIATEK SINGAPORE PTE. LTD. (hereinafter called MEDIATEK), a Corporation of the Republic of China having its principal place of business at No. 1, Fusionopolis Walk, #03-01 Solaris, Singapore 138628, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

## NULL DATA PACKET SOUNDING FOR PREAMBLE PUNCTURE TECHNIQUES

filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or

X Serial No.: 16/239,445 filed on 03-JAN-2019 and the inventions set forth  
and described therein, and any and all Letters Patent of the United States and of countries foreign thereto  
which may be granted thereon or therefor;

And for the above consideration, I/we agree promptly upon request of MEDiatek Singapore Pte. Ltd., its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to MEDiatek Singapore Pte. Ltd., its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by MEDiatek Singapore Pte. Ltd.

I/we further covenant with MEDIATEK SINGAPORE PTE. LTD., its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature: Yongho Seok Date: \_\_\_\_\_

Inventor's Signature: Jianhan Liu Date: 06/13/2019

Inventor's Signature: Chao-Chun Wang

Inventor's Signature: \_\_\_\_\_  
James Chih-Shi Yee

**Assignment to MEDIATEK SINGAPORE PTE. LTD.**

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we Yongho Seok, Jianhan Liu, Chao-Chun Wang, James Chih-Shi Yee do hereby sell, assign, and transfer unto MEDIATEK SINGAPORE PTE. LTD. (hereinafter called MEDIATEK), a Corporation of the Republic of China having its principal place of business at No. 1, Fusionopolis Walk, #03-01 Solaris, Singapore 136628, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

**NULL DATA PACKET SOUNDING FOR PREAMBLE PUNCTURE TECHNIQUES**

\_\_\_\_\_ filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or

☒ Serial No. 16/239,445 filed on 03-JAN-2019 and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;

And for the above consideration, I/we agree promptly upon request of MEDIATEK SINGAPORE PTE. LTD., its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to MEDIATEK SINGAPORE PTE. LTD., its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by MEDIATEK SINGAPORE PTE. LTD.

I/we further covenant with MEDIATEK SINGAPORE PTE. LTD., its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

In witness whereof, I/we hereunto set my/our hand(s) and seal

Inventor's Signature: _____	Date: _____
<u>Yongho Seok</u>	
Inventor's Signature: _____	Date: _____
<u>Jianhan Liu</u>	
Inventor's Signature: _____	Date: <u>2019/6/13</u>
<u>Chao-Chun Wang</u>	
Inventor's Signature: _____	Date: <u>2019/6/13</u>
<u>James Chih-Shi Yee</u>	