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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YONGHO SEOK	06/06/2019
JIANHAN LIU	06/13/2019
CHAO-CHUN WANG	06/13/2019
JAMES CHI-SHI YEE	06/13/2019

RECEIVING PARTY DATA

Name:	MEDIATEK SINGAPORE PTE. LTD.	
Street Address:	NO. 1 FUSIONOPOLIS WALK, #03-01	
City:	SOLARIS	
State/Country:	SINGAPORE	
Postal Code:	138628	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16239445

CORRESPONDENCE DATA

Fax Number: (408)938-9069

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: 408-938-9060

Email: officeaction@mhbpatents.com

MEDIATEK, INC. C/O MURABITO, HAO & BARNE **Correspondent Name:**

111 NORTH MARKET STREET Address Line 1:

Address Line 2: SUITE 700

Address Line 4: SAN JOSE, CALIFORNIA 95113

ATTORNEY DOCKET NUMBER:	MEDT-0039-03U00US
NAME OF SUBMITTER:	ANTHONY C. MURABITO
SIGNATURE:	/Anthony C. Murabito/
DATE SIGNED:	06/26/2019

Total Attachments: 3

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PATENT REEL: 049597 FRAME: 0320

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.: 16/2 and described the which may be gra	239,445 filed on 03-JAN-2019 erein, and any and all Letters Patent of the United S nted thereon or therefor;	States a	and the inventions set forth and of countries foreign thereto
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/w	e 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:		Date:	
<u> </u>	Chao-Chun Wang	Date:	
Inventor's Signature:	James Chih-Shi Yee		

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Attorney Docket No.: MEDT-0039-03U00US

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NULL DATA PACKET SOUNDING FOR PREAMBLE PUNCTURE TECHNIQUES

			ein, and any and all Letters Patent of the granted thereon or therefor; or
X Serial No.: 16/2 and described the which may be gra	239,445 filed or erein, and any and a nted thereon or then	on 03-JAN-2019 all Letters Patent of the efor;	and the inventions set forth United States and of countries foreign thereto
successors or assigns application, whether of desirable fully to secu described in said applicand to cooperate and adjudication or reexample.	, to execute and de original, continuation ure to MEDIATEK of cation and all paten assist in the prosect orination of said Letter	liver without further cor , divisional or reissue, SINGAPORE PTE. LTE t rights therein, in the U sutlon of interference pr ers Patent provided the	est of MEDIATEK SINGAPORE PTE. LTD., its npensation any power of attorney, assignment, or other papers which may be necessary or D., its successors and assigns, the inventions inited States and in any country foreign thereto, roceedings involving said inventions and in the expenses which may be incurred by me/us in SINGAPORE PTE. LTD.
representatives that no	assignment, grant, been made to others	mortgage, license, or of s by the undersigned, a	LTD., its successors, assigns, and legal ther agreement affecting the rights and property and that full right to convey the same as herein
In witness whereof, I/w	re hereunto set my/o	ur hand(s) and seal:	
Inventor's Signature:	Yongho Seok		Date:
Inventor's Signature:	Jianhan Liu		Date: 06/13/20/9
Inventor's Signature:	Chao-Chun Wang		Date:
Inventor's Signature:	Chao-Chun Wang]	Date:
	James Chih-Shi \	ee .	

rev. 11/97 epn

Attorney Docket No. MEDT-0039-03U00US

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MULL	DATA PACKET SOUNDING FOR PREAMBLE PUNCTURE TEX	CHMIQUES
filed herewith and United States an	d the inventions set forth and described therein, and any and all Le ne of countries foreign thereto which may be granted thereon or the	eiters Palent of the erefor, or
X Serial No.: 16/ and described the which may be gre	239.445 filed on 93-JAN-2019 and erein, and any and all Letters Patent of the United States and of anted thereon or therefor:	The inventions set forth countries foreign thereto
its successors or assignment, application necessary or desirable inventions described inforeign thereto, and to inventions and in the ;	nsideration, I/we agree promptly upon request of MEDIATEK SIN- signs, to execute and deliver without further compensation ar an, whether original, continuation, divisional or reissue, or other a fully to secure to MEDIATEK SINGAPORE PTE, LTD., its success in said application and all patent rights therein, in the United Station o cooperate and assist in the prosecution of interference proce- adjudication or reexamination of said Letters Patent provided the intending such cooperation and assistance are paid by MEDIATE	y power of attorney, papers which may be seers and assigns, the as and in any country redings involving said expenses which may
representatives that no property herein convey	It with MEDIATEK SINGAPORE PTE LTD., its successors, to assignment, grant, mortgage, license, or other agreement affixed has been made to others by the undersigned, and that full right bossessed by the undersigned.	facting the rights and
In witness whereof, I/w	ve haraunio set my/our hand(s) and sear	
Inventor's Signature.	Yongho Seok	IN THE PROPERTY MANAGEMENT AND ADDRESS OF THE PROPERTY OF THE
Inventor's Signature;	Jianhan Liu Date	018 14 112
inventor's Signature: Inventor's Signature	Chao Chun Wahii Dala Dala	

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