PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6941541

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Ang-Sheng Lin	09/22/2021
Chun-Wei Chang	09/22/2021
Tzu-Chan Chueh	09/22/2021

RECEIVING PARTY DATA

Name:	MEDIATEK INC.
Street Address:	No. 1, Dusing Rd. 1st, Science-Based Industrial Park
City:	Hsin-Chu
State/Country:	TAIWAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17488339

CORRESPONDENCE DATA

Fax Number:

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.

3027291562 Phone:

Email: Patent.admin.uspto.cr@naipo.com

Correspondent Name: WINSTON HSU

Address Line 1: 5F., NO.389, FUHE RD., YONGHE DIST.,

Address Line 4: **NEW TAIPEI CITY, TAIWAN**

ATTORNEY DOCKET NUMBER:	MTKP3637USA
NAME OF SUBMITTER:	KATE YEH
SIGNATURE:	/KATE YEH/
DATE SIGNED:	09/29/2021

Total Attachments: 6

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PATENT REEL: 057631 FRAME: 0838

COMBINE DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title of Invention:

Phase-Locked Loop Circuit having Linear Voltage-domain Time-to-Digital Converter with Output Subrange

As the below named inventor, I hereby of This declaration is directed to:	declare that:		
☑ The attached application, or			
☐ United States application numb	er	filed on	, or
☐ PCT international application n		filed on	
The above-identified application was ma	de or authorized to be made i		
I believe that I am the original inventor o application.	r an original joint inventor of a	claimed invention in the	
I hereby acknowledge that any willful fal- under18 U.S.C. 1001 by fine or imprison	se statement made in this dec ment of not more than five (5)	elaration is punishable) years, or both.	
In consideration of the payment by	DIATEK INC.	having a postal add	ress of
No. 1, Dusing Rd. 1st, Science-B	ased Industrial Park, Hs	in-Chu 300, Taiwan, R.C	O.C.
(referred to as "ASSIGNEE"below) to I o acknowledged, andfor other good and va	f the sum of One Dollar (\$ 1.0 aluable consideration.	0), the receipt of which is her	reby
I hereby sell, assign and transfer to ASSIGNEE and the successors and assignees of the ASSIGNEE the entire right, title and interest in and to any and all improvements which are disclosed in the invention as above-identified application and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuations, continuation-in-part, divisions, renewals, substitutes, or extensions thereof, and as to Letters Patent any reissue or re-examination thereof.			
l hereby covenant that no assignment, s entered into which would conflict with thi	ale, agreement or encumbran s assignment;	ce has been or will be made	or
I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to I and will testify as to the same in any interference, litigation proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal			
representatives any and all papers, instrumaintain, issue and enforce said applicate equivalents thereof which may be necess IN WITNESS WHEREOF, I have hereun	ion, said invention and said L sarv or desirable to carry out t	etters Patent and said	
Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire nventive entity, must accompany this form. Use this form for <u>each additional inventor.</u>			

Page 1 of 6

NPO#MTK-P3637-USA:0 CUST#MTKI-20-0480US

Docket No MTKP3637USA

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:

Ang-Sheng Lin

Date:

22/1/9/22

Signature:

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COMBINE DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

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As the below named inventor, I here This declaration is directed to:	by declare that:		
☑ The attached application, or	-		
☐ United States application nu	ımber	filed on	, or
☐ PCT international applicatio	n number	filed on	
The above-identified application was	made or authorized to be	made by me.	
I believe that I am the original invent application.	or or an original joint invent	tor of a claimed invention in	the
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impri	I false statement made in the sonment of not more than	nis declaration is punishabl five (5) years, or both.	е
In consideration of the payment by	MEDIATEK INC.	having a po	stal address of
No. 1, Dusing Rd. 1st, Science	e-Based Industrial Par	k, Hsin-Chu 300, Taiw	an, R.O.C.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	l of the sum of One Dollar d valuable consideration.	(\$ 1.00), the receipt of whi	ch is hereby
I hereby sell, assign and transfer to ASSIGNEE and the successors and assignees of the ASSIGNEE the entire right, title and interest in and to any and all improvements which are disclosed in the invention as above-identified application and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuations, continuation-in-part, divisions, renewals, substitutes, or extensions thereof, and as to Letters Patent any reissue or re-examination thereof.			
l hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;			
I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to I and will testify as to the same in any interference, litigation proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal			
representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the proposes thereof. IN WITNESS WHEREOF, I have hereunto set hand and seal this on the date(s) indicated.			
Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire nventive entity, must accompany this form. Use this form for <u>each additional inventor.</u>			

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NPO#MTK-P3637-USA:0 CUST#MTKI-20-0480US

Docket No MTKP3637USA

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:

Chun-Wei Chang

Date

2021/9/22

Signature:

Page 4 of 6

COMBINE DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

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As the below named inventor, I here This declaration is directed to:	eby declare that:			
☑ The attached application, o	r			
☐ United States application no	umber	filed or	l	. or
☐ PCT international application	· ·		on	,
The above-identified application was	s made or authorized to b	e made by me.		
I believe that I am the original inventapplication.			invention in the	
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr	ll false statement made in isonment of not more tha	this declaration is n five (5) years, o	s punishable r both.	
In consideration of the payment by	MEDIATEK INC.		naving a postal add	ress of
No. 1, Dusing Rd. 1st, Science	e-Based Industrial Pa	ark, Hsin-Chu	300, Taiwan, R.C).C.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	I of the sum of One Dall			
I hereby sell, assign and transfer to A the entire right, title and interest in ar invention as above-identified applica invention by the above application or substitutes, or extensions thereof, an	tion and an improver tion and, in and to, all Let	nents which are diters Patent to be displayed	isclosed in the obtained for said	ΞE
l hereby covenant that no assignmen entered into which would conflict with	it, sale, agreement or enc this assignment;	umbrance has be	en or will be made o	or
further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to I and will testify as to the same in any interference, litigation proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal				
epresentatives any and all papers, ir naintain, issue and enforce said appl equivalents thereof which may be ned N WITNESS WHEREOF, I have here	cation, said invention and	d said Letters Pat	ent and said	
Note: An application data sheet (PTO nventive entity, must accompany this	/SB/14 or equivalent), inc form. Use this form for <u>ea</u>	luding naming the	e entire entor.	

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NPO#MTK-P3637-USA:0 CUST#MTKI-20-0480US

Docket No MTKP3637USA

LEGAL NAI	ME OF INVENTOR(ASSIGNOR)		~
Inventor:	Tzu-Chan Chueh	Date:	2021.9.22
Signature:	- Tyn Chan	Chueh	

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F#NPO-P0002E-US1201 DSB0-110U009556

NPO#MTK-P3637-USA:0 CUST#MTKI-20-0480US

RECORDED: 09/29/2021

PATENT REEL: 057631 FRAME: 0844