11/12/2019 505767824

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Chi-Wang Chai	09/17/2019
Weimin Zeng	09/17/2019
Wujun Chen	10/28/2019
Jing Wang	10/28/2019
Wei Pu	10/28/2019

RECEIVING PARTY DATA

Name:	Realtek Semiconductor Corp.
Street Address:	2 Innovation Rd. II, Science Park
City:	HsinChu
State/Country:	TAIWAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16680517

CORRESPONDENCE DATA

Fax Number: (703)997-4517

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: 3027291562

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

Correspondent Name: WINSTON HSU

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

Address Line 4: NEW TAIPEI CITY, TAIWAN

ATTORNEY DOCKET NUMBER:	REAP1018USA
NAME OF SUBMITTER:	KATE YEH
SIGNATURE:	/KATE YEH/
DATE SIGNED:	11/12/2019

Total Attachments: 10 source=3643280#page1.tif source=3643280#page2.tif source=3643280#page3.tif

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Title of Invention:

Device and Method of Selecting an Intra Mode of a Coding Unit

As the below named inventor, I here This declaration is directed to:	eby declare that:			
☑ I he attached application, or	-			
☐ United States application nu	ımber	filed	on	, or
☐ PCT international applicatio	n number		ed on	
The above-identified application was	s made or authorized	to be made by me.	<u></u> +±	The second secon
I believe that I am the original inventage application.	tor or an original joint	inventor of a claim	ed invention in	the
I hereby acknowledge that any willfuunder18 U.S.C. 1001 by fine or impl	al false statement mad risonment of not more	e in this declaration than five (5) years	n is punishable , or both.	•
In consideration of the payment by	Realtek Semicon	ductor Corp.	having a pos	stal address of
2 Innovation Rd. II, Science P	ark, HsinChu 300	76, Taiwan, R.C).C.	
(referred to as "ASSIGNEE"below) t acknowledged, andfor other good ar	o I of the sum of One nd valuable considera	Dollar (\$ 1.00), the tion.	receipt of whic	ch is hereby
I hereby sell, assign and transfer to the entire right, title and interest in a invention as above-identified applica- invention by the above application o substitutes, or extensions thereof, as	and to any and all impr ation and, in and to, all ar any continuations, co	ovements which a Letters Patent to ontinuation-in-part	re disclosed in be obtained for divisions, rene	the said wals.
I hereby covenant that no assignme entered into which would conflict wit	nt, sale, agreement or h this assignment;	encumbrance has	been or will be	e 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, maintain, issue and enforce said app equivalents thereof which may be no IN WITNESS WHEREOF, I have he	plication, said inventio ecessary or desirable	n and said Letters to carry out the pro	Patent and sai	d
Note: An application data sheet (PTo inventive entity, must accompany the	O/SB/14 or equivalent is form. Use this form), including naming for <u>each additiona</u>	g the entire I inventor.	

Page 1 of 10

NPO#REA-P1018-USA:0 CUST#108A-114US

LEGAL NAME OF INVENTOR(ASSIGNOR)

inventor:

Chi-Wang Chai

Date:

9/17/2019

Signature:

Page

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F#NPO-P0002E-US1201 DSB0-108U026483

NPO#REA-P1018-USA:0 CUST#108A-114US

Title of Invention:

Device and Method of Selecting an Intra Mode of a Coding Unit

As the below named inventor, I hereby declare that: This declaration is directed to. ☐ The attached application, or					
☐ United States application nu		filed on	or		
☐ PCT international application		filed on	, or		
• •					
The above-identified application wa					
I believe that I am the original inven application.	tor or an original joint inventor of a	ı claimed invention ir	n the		
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr	Il false statement made in this decrisonment of not more than five (5	laration is punishabl) years, or both.	e		
In consideration of the payment by	Realtek Semiconductor Co	rp. having a po	stal address of		
2 Innovation Rd. II, Science P	ark, HsinChu 30076, Taiwa	n, R.O.C.			
(referred to as "ASSIGNEE"below) to acknowledged, and for other good as	o I of the sum of One Dollar (\$ 1.0 nd valuable consideration.	00), the receipt of whi	ich 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.					
I 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, maintain, issue and enforce said app equivalents thereof which may be no IN WITNESS WHEREOF, I have he	olication, said invention and said L acessary or desirable to carry out	etters Patent and sa	F		
Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use this form for <u>each additional inventor.</u>					

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NPO#REA-P1018-USA:0 CUST#108A-114US

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:

Weimin Zeng

Date:

9/17/2019

Signature:

Page 4 of 10

F#NPO-P0002E-US1201 DSB0-108U026483

NPO#REA-P1018-USA:0 CUST#108A-114US

Title of Invention:

Device and Method of Selecting an Intra Mode of a Coding Unit

As the below named inventor, I hereby declare that: This declaration is directed to:	
☑ The attached application, or	
☐ United States application number	filed on , 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 in application.	ventor of a claimed invention in the
I hereby acknowledge that any willful false statement made under18 U.S.C. 1001 by fine or imprisonment of not more t	in this declaration is punishable han five (5) years, or both.
In consideration of the payment by Realtek Semicono	luctor Corp. having a postal address of
2 Innovation Rd. II, Science Park, HsinChu 3007	6, Taiwan, R.O.C.
(referred to as "ASSIGNEE"below) to I of the sum of One D acknowledged, and for other good and valuable consideration.	ollar (\$ 1.00), the receipt of which is hereby on.
I hereby sell, assign and transfer to ASSIGNEE and the suc the entire right, title and interest in and to any and all impro- invention as above-identified application and, in and to, all I invention by the above application or any continuations, con- substitutes, or extensions thereof, and as to Letters Patent	vements which are disclosed in the ∟etters Patent to be obtained for said ntinuation-in-part, divisions, renewals
I hereby covenant that no assignment, sale, agreement or entered into which would conflict with this assignment;	encumbrance has been or will be made or
I further covenant that ASSIGNEE will, upon its request, be and documents relating to said invention and said Letters P known and accessible to I and will testify as to the same in related thereto and will promptly execute and deliver to ASS	atent and legal equivalents as may be any interference, litigation proceeding
representatives any and all papers, instruments or affidavits maintain, issue and enforce said application, said invention equivalents thereof which may be necessary or desirable to IN WITNESS WHEREOF, I have hereunto set hand and se	and said Letters Patent and said carry out the proposes thereof.
Note: An application data sheet (PTO/SB/14 or equivalent), inventive entity, must accompany this form. Use this form to	including naming the entire or each additional inventor.

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NPO#REA-P1018-USA:0 CUST#108A-114US

Inventor:	ME OF INVENTOR(ASSI	GNOR)	Date:	OCT 2 8 2019
Signature:	Wujun	Chen	_	

Page 6 of 10

Title of Invention:

Device and Method of Selecting an Intra Mode of a Coding Unit

As the below named inventor, I hereby declare that: This declaration is directed to:					
☑ I he attached application, or					
☐ United States application number	filed on	, or			
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The above-identified application was made or authorized	to be made by me.				
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(referred to as "ASSIGNEE" below) to I of the sum of One acknowledged, andfor other good and valuable considera	Dollar (\$ 1.00), the receipt of whition.	ch is hereby			
I hereby sell, assign and transfer to ASSIGNEE and the s the entire right, title and interest in and to any and all impr invention as above-identified application and, in and to, al invention by the above application or any continuations, or substitutes, or extensions thereof, and as to Letters Paten	ovements which are disclosed in I Letters Patent to be obtained fo ontinuation-in-part, divisions, ren	the r said ewals			
I 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 affidav maintain, issue and enforce said application, said inventio equivalents thereof which may be necessary or desirable IN WITNESS WHEREOF, I have hereunto set hand and s	n and said Letters Patent and sait carry out the proposes thereof	id			
Note: An application data sheet (PTO/SB/14 or equivalent inventive entity, must accompany this form. Use this form), including naming the entire for each additional inventor.				

Page 7 of 10

NPO#REA-P1018-USA:0 CUST#108A-114US

Inventor: Jing Wang

Date: OCT 2 8 2019

Signature: Jing Wang

LEGAL NAME OF INVENTOR(ASSIGNOR)

Page 8 of 10

Title of Invention:

Device and Method of Selecting an Intra Mode of a Coding Unit

As the below named inventor, I hereby declaration is directed to:	e that:			
☑ The attached application, or				
☐ United States application number	file	ed on	, or	
☐ PCT international application number	r	filed on		
The above-identified application was made or	authorized to be made by n	ne.		
I believe that I am the original inventor or an application.	original joint inventor of a cla	imed invention in the		
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In consideration of the payment by Realte	Semiconductor Corp.	having a postal a	address of	
2 Innovation Rd. II, Science Park, Hs	nChu 30076, Taiwan, R	i.o.c.		
(referred to as "ASSIGNEE"below) to I of the acknowledged, andfor other good and valuab	sum of One Dollar (\$ 1.00), i e consideration.	the receipt of which is	hereby	
I hereby sell, assign and transfer to ASSIGNE the entire right, title and interest in and to any invention as above-identified application and, invention by the above application or any consubstitutes, or extensions thereof, and as to L	and all improvements which in and to, all Letters Patent inuations, continuation-in-pa	n are disclosed in the to be obtained for said art, divisions, renewals	t s	
I hereby covenant that no assignment, sale, a entered into which would conflict with this ass	greement or encumbrance hignment;	nas been or will be ma	ade 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, instrumen maintain, issue and enforce said application, s equivalents thereof which may be necessary of IN WITNESS WHEREOF, I have hereunto se	said invention and said Lette or desirable to carry out the	ers Patent and said		
Note: An application data sheet (PTO/SB/14 of inventive entity, must accompany this form. U	or equivalent), including nam se this form for <u>each additio</u>	ing the entire		

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NPO#REA-P1018-USA:0 CUST#108A-114US

LEGAL NAI	ME OF INVENTOR(ASSIGNOR) Wei Pu	Date:	OCT 2 8 2019	
Signature:	Wei Pu			_

NPO#REA-P1018-USA:0 CUST#108A-114US

RECORDED: 11/12/2019

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F#NPO-P0002E-US1201 DSB0-108U026483