504442228 07/04/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4488929

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Ming-Long Wu	06/27/2017
Tung-Hsing Wu	06/27/2017
Li-Heng Chen	06/27/2017
Ting-An Lin	06/27/2017
Yi-Hsin Huang	06/27/2017
Chung-Hua Tsai	06/27/2017
Chia-Yun Cheng	06/27/2017
Han-Liang Chou	06/27/2017
Yung-Chang Chang	06/27/2017

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:	15641224

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

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

Address Line 4: NEW TAIPEI CITY, TAIWAN

ATTORNEY DOCKET NUMBER:	MTKP2999USA
NAME OF SUBMITTER:	KATE YEH
SIGNATURE:	/KATE YEH/

PATENT 504442228 REEL: 042884 FRAME: 0717

DATE SIGNED:	07/04/2017
Total Attachments: 18	
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PATENT REEL: 042884 FRAME: 0718

Title of Invention:

VIDEO PROCESSING SYSTEM USING LOW-COST VIDEO ENCODING/DECODING ARCHITECTURE

As the below named inventor, I here This declaration is directed to:	by declare that:		
☑ The attached application, or			
☐ United States application nur	mber	_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 invente application.	or or an original joint inventor of a	a claimed invention in the	
I hereby acknowledge that any willful under18 U.S.C. 1001 by fine or impri	I false statement made in this decisionment of not more than five (5	claration is punishable) years, or both.	
In consideration of the payment by	MEDIATEK INC.	having a postal addr	ess of
No. 1, Dusing Rd. 1st, Science	e-Based Industrial Park, Hs	in-Chu 300, Taiwan, R.O	.C.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	o I of the sum of One Dollar (\$ 1.0 d valuable consideration.	00), the receipt of which is here	əby
I hereby sell, assign and transfer to A the entire right, title and interest in an invention as above-identified application or substitutes, or extensions thereof, an	nd to any and all improvements w tion and, in and to, all Letters Pat anv continuations. continuation-	rhich are disclosed in the tent to be obtained for said in-part, divisions, renewals	E.
I hereby covenant that no assignment entered into which would conflict with	nt, sale, agreement or encumbran n this assignment;	ce has been or will be made o	r
I further covenant that ASSIGNEE wi and documents relating to said inven known and accessible to I and will be related thereto and will promptly exec	tion and said Letters Patent and stify as to the same in any interfe	legal equivalents as may be rence litigation proceeding	3
representatives any and all papers, ir maintain, issue and enforce said app equivalents thereof which may be ne- IN WINTNESS WHEREOF, I have he	lication, said invention and said L cessary or desirable to carry out	etters Patent and said	signing)
Note: An application data sheet (PTC inventive entity, must accompany this	D/SB/14 or equivalent), including s s form. Use this form for <u>each ad</u> c	naming the entire ditional inventor.	

Page 1 of 18

NPO#MTK-P2999-USA:0 CUST#MTKI-17-039US

MTK05567 2017/06/27 14:12:14

Docket No MTKP2999USA

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:

Ming-Long Wu

Date:

2011). 6.27

Signature:

Minglong Wu

Page 2 of 18

Title of Invention:

VIDEO PROCESSING SYSTEM USING LOW-COST VIDEO ENCODING/DECODING ARCHITECTURE

As the below named inventor, I hereby declare that: This declaration is directed to:	
☑ The attached application, or	
□United States application number	, or
□PCT international application number	filed on
The above-identified application was made or authorized t	o be made by me.
I believe that I am the original inventor or an original joint i application.	nventor of a claimed invention in the
I hereby acknowledge that any willful false statement mad under18 U.S.C. 1001 by fine or imprisonment of not more	
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No. 1, Dusing Rd. 1st, Science-Based Industria	l Park, Hsin-Chu 300, Taiwan, R.O.C.
(referred to as "ASSIGNEE"below) to I of the sum of One acknowledged, andfor other good and valuable considerations.	Dollar (\$ 1.00), the receipt of which is hereby tion.
I hereby sell, assign and transfer to ASSIGNEE and the set 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 Pater	ovements which are disclosed in the I Letters Patent to be obtained for said ontinuation-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 known and accessible to I and will testify as to the same is related thereto and will promptly execute and deliver to Assignment.	Patent and legal equivalents as may be nany interference, litigation proceeding
representatives any and all papers, instruments or affidav maintain, issue and enforce said application, said invention equivalents thereof which may be necessary or desirable IN WINTNESS WHEREOF, I have hereunto set hand and	on and said Letters Patent and said to carry out the proposes thereof.
Note: An application data sheet (PTO/SB/14 or equivalen inventive entity, must accompany this form. Use this form	t), including naming the entire for <u>each additional inventor.</u>

Page 3 of 18

F#NPO-P0002E-US1201 DSB0-106U017751

REEL: 042884 FRAME: 0721

MTK05567 2017/06/27 14:14:08

Docket No MTKP2999USA

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:

Tung-Hsing Wu

Date: 2017. 6.27.

Page 4 of 18

Title of Invention:

VIDEO PROCESSING SYSTEM USING LOW-COST VIDEO ENCODING/DECODING ARCHITECTURE

As the below named inventor, I hereby declare tha This declaration is directed to:	at:	
☑ The attached application, or		
☐ United States application number	filed on	, or
□PCT international application number _	filed on	
The above-identified application was made or auth	norized to be made by me.	,
I believe that I am the original inventor or an origin application.	nal joint inventor of a claimed invention in t	he
I hereby acknowledge that any willful false statement of number 18 U.S.C. 1001 by fine or imprisonment of n		
In consideration of the payment by MEDIATER	NC. having a pos	tal address of
No. 1, Dusing Rd. 1st, Science-Based Inc	dustrial Park, Hsin-Chu 300, Taiwa	n, R.O.C.
(referred to as "ASSIGNEE"below) to I of the sum acknowledged, andfor other good and valuable co		h is hereby
I hereby sell, assign and transfer to ASSIGNEE are the entire right, title and interest in and to any and invention as above-identified application and, in an invention by the above application or any continual substitutes, or extensions thereof, and as to Letter	all improvements which are disclosed in t nd to, all Letters Patent to be obtained for ations, continuation-in-part, divisions, rene	he said wals,
I hereby covenant that no assignment, sale, agree entered into which would conflict with this assignn		e made or
I further covenant that ASSIGNEE will, upon its re and documents relating to said invention and said known and accessible to I and will testify as to the related thereto and will promptly execute and deliv	Letters Patent and legal equivalents as me same in any interference, litigation proce	nay be
representatives any and all papers, instruments of maintain, issue and enforce said application, said equivalents thereof which may be necessary or de IN WINTNESS WHEREOF, I have hereunto set h	invention and said Letters Patent and said esirable to carry out the proposes thereof.	
Note: An application data sheet (PTO/SB/14 or ed inventive entity, must accompany this form. Use the		

Page 5 of 18

F#NPO-P0002E-US1201

MTK05557 2017/06/27 14:14:08

Docket No MTKP2999USA

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:

Li-Heng Chen

Date:

2017.6.29

Signature

Ja 14 my Sum

Page 6 of 18

NPO#MTK-P2999-USA:0

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:

VIDEO PROCESSING SYSTEM USING LOW-COST VIDEO ENCODING/DECODING **ARCHITECTURE**

As the below named inventor, I herek This declaration is directed to:	by declare that:		
☑ The attached application, or			
☐ United States application nun	nber	filed on	, or
□ PCT international application	number	filed on	<u> </u>
The above-identified application was	made or authorized to be made	e by me.	
I believe that I am the original inventor application.	or or an original joint inventor of	a claimed invention in the	
I hereby acknowledge that any willful under18 U.S.C. 1001 by fine or impri	false statement made in this d sonment of not more than five	eclaration is punishable (5) years, or both.	
In consideration of the payment by	MEDIATEK INC.	having a postal add	iress of
No. 1, Dusing Rd. 1st, Science	e-Based Industrial Park, H	lsin-Chu 300, Taiwan, R.	o.c.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	I of the sum of One Dollar (\$ 1 d valuable consideration.	.00), the receipt of which is he	ereby
I hereby sell, assign and transfer to A the entire right, title and interest in ar invention as above-identified application or substitutes, or extensions thereof, ar	nd to any and all improvements tion and, in and to, all Letters P any continuations, continuation	which are disclosed in the ratent to be obtained for said n-in-part, divisions, renewals,	IEE
I hereby covenant that no assignmer entered into which would conflict with		ance has been or will be made	or
I further covenant that ASSIGNEE w and documents relating to said inver known and accessible to I and will te related thereto and will promptly exe	ition and said Letters Patent an stify as to the same in any inte	id legal equivalents as may be rference, litigation proceeding	cts
representatives any and all papers, i maintain, issue and enforce said app equivalents thereof which may be no IN WINTNESS WHEREOF, I have h	olication, said invention and said ecessary or desirable to carry o	d Letters Patent and said ut the proposes thereof.	of signing)
Note: An application data sheet (PTC inventive entity, must accompany thi	D/SB/14 or equivalent), includir s form. Use this form for <u>each a</u>	ng naming the entire additional inventor.	

Page 7 of 18

F#NPO-P0002E-US1201

MTK05567 2017/06/27 14:14:08

Docket No MTKP2999USA

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:

Ting-An Lin

Date:

Page 8 of 18

Title of Invention:

VIDEO PROCESSING SYSTEM USING LOW-COST VIDEO ENCODING/DECODING ARCHITECTURE

As the below named inventor, I hereby This declaration is directed to:	declare that:		
☑ The attached application, or			
☐ United States application num	ber	filed on	, or
□ PCT international application r	number	filed on	
The above-identified application was r	nade or authorized to be ma	ade by me.	
I believe that I am the original inventor application.	or an original joint inventor	r of a claimed invention in	ı the
I hereby acknowledge that any willful funder18 U.S.C. 1001 by fine or impris			e .
In consideration of the payment by	MEDIATEK INC.	having a po	stal address of
No. 1, Dusing Rd. 1st, Science	Based Industrial Park	, Hsin-Chu 300, Taiw	an, R.O.C.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good and		\$ 1.00), the receipt of wh	ich is hereby
I hereby sell, assign and transfer to As the entire right, title and interest in and invention as above-identified application invention by the above application or a substitutes, or extensions thereof, and	d to any and all improvemer on and, in and to, all Letters any continuations, continua	nts which are disclosed in s Patent to be obtained fo tion-in-part, divisions, ren	i the or said newals,
I hereby covenant that no assignment entered into which would conflict with		nbrance has been or will b	oe made or
I further covenant that ASSIGNEE will and documents relating to said inventi known and accessible to I and will tes related thereto and will promptly exec	on and said Letters Patent tify as to the same in any in	and legal equivalents as nterference, litigation prod	may be
representatives any and all papers, in maintain, issue and enforce said appli equivalents thereof which may be neo IN WINTNESS WHEREOF, I have he	cation, said invention and s essary or desirable to carry	said Letters Patent and sa	
Note: An application data sheet (PTO inventive entity, must accompany this			

Page 9 of 18

NPO#MTK-P2999-USA:0 CUST#MTKI-17-039US

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor: Yi-Hsin Huang

Date:

2017. 6.29

Docket No MTKP2999USA

Signature:

Yi Hsin Huang

Page 10 of 18

Title of Invention:

MTK05567 2017/06/27 14:14:08

VIDEO PROCESSING SYSTEM USING LOW-COST VIDEO ENCODING/DECODING ARCHITECTURE

As the below named inventor, I here This declaration is directed to:	eby declare that:		
☑ The attached application, or			
□ United States application nu	mber	_filed on,	or
□ PCT international application	number	filed on	
The above-identified application was	s made or authorized to be made	by me.	
believe that I am the original invent application.	tor or an original joint inventor of a	ı claimed invention in the	
hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr	Il false statement made in this dec risonment of not more than five (5)	claration is punishable) years, or both.	
n consideration of the payment by	MEDIATEK INC.	having a postal addr	ess of
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hereby sell, assign and transfer to a he entire right, title and interest in a nvention as above-identified applica nvention by the above application o substitutes, or extensions thereof, a	nd to any and all improvements w ation and, in and to, all Letters Pat r any continuations, continuation-i	which are disclosed in the tent to be obtained for said in-part, divisions, renewals,	ΞE
hereby covenant that no assignmentered into which would conflict wit	nt, sale, agreement or encumbran h this assignment;	ice has been or will be made	or
further covenant that ASSIGNEE wand documents relating to said invertions and accessible to I and will to related thereto and will promptly exe	ntion and said Letters Patent and estify as to the same in any interfe	legal equivalents as may be erence, litigation proceeding	ts
representatives any and all papers, maintain, issue and enforce said app equivalents thereof which may be no N WINTNESS WHEREOF, I have h	plication, said invention and said L ecessary or desirable to carry out	Letters Patent and said the proposes thereof.	f signing)
Note: An application data sheet (PTonventive entity, must accompany the			

Page 11 of 18

NPO#MTK-P2999-USA:0 CUST#MTKI-17-039US F#NPO-P0002E-US1201 DSB0-106U017751

Docket No MTKP2999USA

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor: Chung-Hua Tsai

Date:

2017.6.77

Signature

Chung-hua Tsai

Page 12 of 18

NTK05567 2017/06/27 14:14:09

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: VIDEO PROCESSING SYSTEM USING LOW-COST VIDEO ENCODING/DECODING ARCHITECTURE

As the below named inventor, I here This declaration is directed to:	by declare that:				
☑ The attached application, or					
☐ United States application nur	mber	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 inventor of a claimed invention in the application.					
l hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr					
In consideration of the payment by	MEDIATEK INC.	having a posta	al address of		
No. 1, Dusing Rd. 1st, Science	e-Based Industrial Pa	rk, Hsin-Chu 300, Taiwar	ı, R.O.C.		
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good ar		ar (\$ 1.00), the receipt of which	is hereby		
I hereby sell, assign and transfer to a the entire right, title and interest in a invention as above-identified applica invention by the above application of substitutes, or extensions thereof, ar	nd to any and all improvem tion and, in and to, all Lett r any continuations, continu	nents which are disclosed in the ers Patent to be obtained for s uation-in-part, divisions, renew	e aid ⁄als,		
l hereby covenant that no assignment entered into which would conflict with		umbrance has been or will be ı	made or		
I further covenant that ASSIGNEE wand documents relating to said inver known and accessible to I and will te related thereto and will promptly exe	ntion and said Letters Pate estify as to the same in any	ent and legal equivalents as ma / interference, litigation proceed	ay be		
representatives any and all papers, i maintain, issue and enforce said app equivalents thereof which may be ne IN WINTNESS WHEREOF, I have h	olication, said invention and ecessary or desirable to ca	d said Letters Patent and said arry out the proposes thereof.	Date of signing)		
Note: An application data sheet (PT0 inventive entity, must accompany thi					

Page 13 of 18

NPO#MTK-P2999-USA:0 CUST#MTKI-17-039US

TK05567 2017/06/27 14:14:08

Docket No MTKP2999USA

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:

Chia-Yun Cheng

Date:

6/27/201

Signature:

Page 14 of 18

Title of Invention:

VIDEO PROCESSING SYSTEM USING LOW-COST VIDEO ENCODING/DECODING ARCHITECTURE

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
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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 application.	inventor of a claimed invention in th	е
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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 which ation.	is hereby
I hereby sell, assign and transfer to ASSIGNEE and the state entire right, title and interest in and to any and all impinvention as above-identified application and, in and to, a invention by the above application or any continuations, caubstitutes, or extensions thereof, and as to Letters Pate	rovements which are disclosed in th ill Letters Patent to be obtained for s continuation-in-part, divisions, renew	e aid ⁄als,
I hereby covenant that no assignment, sale, agreement of entered into which would conflict with this assignment;	r encumbrance has been or will be i	made or
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Note: An application data sheet (PTO/SB/14 or equivaler inventive entity, must accompany this form. Use this form		

Page 15 of 18

NPO#MTK-P2999-USA:0 CUST#MTKI-17-039US

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:

NTK05567 2017/06/27 14:14:08

Han-Liang Chou

Date:

2017,6,20

Signature:

Page 16 of 18

Title of Invention:

MTK05567 2017/06/27 14:14:08

VIDEO PROCESSING SYSTEM USING LOW-COST VIDEO ENCODING/DECODING ARCHITECTURE

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(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	o I of the sum of One Dollar (\$ nd valuable consideration.	1.00), the receipt of wh	nich is hereby
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I hereby covenant that no assignmer entered into which would conflict with	nt, sale, agreement or encuml n this assignment;	brance has been or will	be made or
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representatives any and all papers, i maintain, issue and enforce said app equivalents thereof which may be ne IN WINTNESS WHEREOF, I have h	plication, said invention and sa ecessary or desirable to carry	aid Letters Patent and sout the proposes there	aid of. (Date of signing)
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Page 17 of 18

NPO#MTK-P2999-USA:0 CUST#MTKI-17-039US F#NPO-P0002E-US1201 DSB0-106U017751

Docket No MTKP2999USA

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor: Yung-Chang Chang Date: 2017 / 6/>7

Signature: Yung - Chang Chang

Page 18 of 18

RECORDED: 07/04/2017