## 503347302 06/12/2015

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3393922

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date	
Tsung-Hsin Chou	06/10/2015	
Chih-Hsien Lin	06/10/2015	
Huai-Te Wang	06/10/2015	
Bo-Jiun Chen	06/10/2015	
Yan-Bin Luo	06/10/2015	

### **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:	14737513

## **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	MTKP2147USA
NAME OF SUBMITTER:	SIBYL YU
SIGNATURE:	/SIBYL YU/
DATE SIGNED:	06/12/2015

Total Attachments: 10 source=2274862#page1.tif source=2274862#page2.tif source=2274862#page3.tif

PATENT 503347302 REEL: 035892 FRAME: 0081

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PATENT REEL: 035892 FRAME: 0082

## Title of Invention:

METHOD FOR PERFORMING LOOP UNROLLED DECISION FEEDBACK EQUALIZATION IN AN ELECTRONIC DEVICE WITH AID OF VOLTAGE FEEDFORWARD, AND ASSOCIATED APPARATUS

·			
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	
The above-identified application was	made or authorized to be made	e by me.	
I believe that I am the original invento application.	or or an original joint inventor of	f a claimed invention in the	
I hereby acknowledge that any willful under18 U.S.C. 1001 by fine or impri			
In consideration of the payment by	MEDIATEK INC.	having a postal add	lress of
No. 1, Dusing Rd. 1st, Science	e-Based Industrial Park, F	lsin-Chu 300, Taiwan, R.	o.c.
(referred to as "ASSIGNEE" below) to acknowledged, and for other good and 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 I hereby covenant that no assignmen entered into which would conflict with I further covenant that ASSIGNEE wi and documents relating to said inventions and accessible to I and will textended thereto and will promptly executed.	d valuable consideration.  ASSIGNEE and the successors of to any and all improvements ion and, in and to, all Letters P any continuations, continuation d as to Letters Patent any reiss t, sale, agreement or encumbrations assignment;  II, upon its request, be provided the same in any intercute and deliver to ASSIGNEE.	and assignees of the ASSIGN which are disclosed in the atent to be obtained for said n-in-part, divisions, renewals, sue or re-examination thereof. ance has been or will be made dipromptly with all pertinent fact diegal equivalents as may be ference, litigation proceeding or its legal	or .
representatives any and all papers, ir maintain, issue and enforce said app equivalents thereof which may be nearly WINTNESS WHEREOF, I have he Note: An application data sheet (PTC inventive entity, must accompany this	lication, said invention and said cessary or desirable to carry ou ereunto set hand and seal this - 0/SB/14 or equivalent), including	I Letters Patent and said at the proposes thereof.  JUN 1 0 2015 (Date of particular par	of signing)

Page 1 of 10

Inventor: Tsung-Hsin Chou

Date: 2015 0610

Signature: Tsung-Hsin Chon

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### Title of Invention:

METHOD FOR PERFORMING LOOP UNROLLED DECISION FEEDBACK EQUALIZATION IN AN ELECTRONIC DEVICE WITH AID OF VOLTAGE FEEDFORWARD, AND ASSOCIATED APPARATUS

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☑ The attached application, or				
☐ United States application nur	mber	file	d on	, or
□ PCT international application	number		filed on	
The above-identified application was	made or authorized t	o be made by m	ie.	
I believe that I am the original inventor application.	or or an original joint i	nventor of a clai	med invention i	in the
I hereby acknowledge that any willful under18 U.S.C. 1001 by fine or impri				ole
In consideration of the payment by	MEDIATEK INC.		having a p	ostal address of
No. 1, Dusing Rd. 1st, Science	e-Based Industria	I Park, Hsin-0	—— Chu 300, Taiv	wan, R.O.C.
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, and I hereby covenant that no assignment entered into which would conflict with I further covenant that ASSIGNEE wand documents relating to said invention and accessible to I and will the related thereto and will promptly exemple the said invention and accessible to I and will the related thereto and will promptly exemple the said invention and accessible to I and will the related thereto and will promptly exemple the said invention and accessible to I and will the related thereto and will promptly exemple the said appears and enforce said appears and enforce said appears thereof which may be not accessible to I have here.	ASSIGNEE and the solution and, in and to, all any continuations, continuations, continuations, continuations, continuations, continuations, continuations, continuations, continuations, and assignment; all, upon its request, button and said Letters stify as to the same incute and deliver to Assignments or affidavious and continuation, said inventions are continuation, said inventions are thand and and continuations and	uccessors and a overnents which Letters Patent on tinuation-in-patent any reissue or encumbrance from Patent and legal any interference SSIGNEE or its lets required to apply and said Letter to carry out the seal this	are disclosed in the be obtained for the obtained for the re-examination as been or will apply with all per all equivalents as been or prolegal opply for, obtain, ars Patent and suproposes thered in 1 0 2015	in the for said newals, thereof. be made or rtinent facts s may be ceeding
Note: An application data sheet (PTC inventive entity, must accompany thi	D/SB/14 or equivalent s form. Use this form	), including nam for <u>each additio</u>	ing the entire nal inventor.	

Page 3 of 10

LEGAL NAME OF INVENTOR(ASSIGNOR)					
Inventor:	Chih-Hsien Lin	Date:	JUN 1 0 2015		
Signature:	Chih-Hsion Lin				

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## Title of Invention:

METHOD FOR PERFORMING LOOP UNROLLED DECISION FEEDBACK EQUALIZATION IN AN ELECTRONIC DEVICE WITH AID OF VOLTAGE FEEDFORWARD, AND ASSOCIATED APPARATUS

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□ United States application nur	mber	filed on,	or
□PCT international application	number	filed on	
The above-identified application was	made or authorized to be ma	de by me.	
I believe that I am the original inventapplication.	or or an original joint inventor	of a claimed invention in the	
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impri			
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No. 1, Dusing Rd. 1st, Science	e-Based Industrial Park,	Hsin-Chu 300, Taiwan, R.C	).C.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an		1.00), the receipt of which is here	eby
I hereby sell, assign and transfer to A the entire right, title and interest in an invention as above-identified applica invention by the above application or substitutes, or extensions thereof, ar	nd to any and all improvement tion and, in and to, all Letters any continuations, continuation	s which are disclosed in the Patent to be obtained for said on-in-part, divisions, renewals,	ΞE
I hereby covenant that no assignment entered into which would conflict with		rance has been or will be made o	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	ntion and said Letters Patent a estify as to the same in any inte	and legal equivalents as may be erference, litigation proceeding	s
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 sa ecessary or desirable to carry o	aid Letters Patent and said out the proposes thereof.	f signing)
Note: An application data sheet (PTC inventive entity, must accompany thi			

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NPO#MTK-P2147-USA:0 CUST#MTKI-14-301US

LEGAL NAI	ME OF INVENTOR(ASSIGNOR)			
Inventor:	Huai-Te Wang	Date:	2015. 6.10	
Signature:	Huai Te	Wang		

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## Title of Invention:

METHOD FOR PERFORMING LOOP UNROLLED DECISION FEEDBACK EQUALIZATION IN AN ELECTRONIC DEVICE WITH AID OF VOLTAGE FEEDFORWARD, AND ASSOCIATED APPARATUS

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☑ The attached application, or				
□ United States application nu	mber	filed or	1	, 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 invent application.	or or an original joint	nventor of a claimed	invention in the	
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr	Il false statement mac isonment of not more	e in this declaration i than five (5) years, c	s punishable or both,	
In consideration of the payment by	MEDIATEK INC.		having a postal add	dress of
No. 1, Dusing Rd. 1st, Scienc	e-Based Industria	l Park, Hsin-Chu	300, Taiwan, R.	o.c.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good ar			eceipt of which is he	ereby
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, and	nd to any and all impr ation and, in and to, al r any continuations, c	ovements which are I Letters Patent to be ontinuation-in-part, d	disclosed in the obtained for said ivisions, renewals,	
I hereby covenant that no assignme entered into which would conflict wit		encumbrance has b	een or will be made	e or
I further covenant that ASSIGNEE wand documents relating to said inverknown and accessible to I and will to related thereto and will promptly exercise.	ntion and said Letters estify as to the same i	Patent and legal equal any interference, lit	iivalents as may be igation proceeding	cts
representatives any and all papers, i maintain, issue and enforce said appequivalents thereof which may be no IN WINTNESS WHEREOF, I have h	olication, said inventic ecessary or desirable	n and said Letters Pa to carry out the propa	atent and said oses thereof.	of signing)
Note: An application data sheet (PT inventive entity, must accompany the	O/SB/14 or equivalen is form. Use this form	), including naming t for <u>each additional ir</u>	he entire iventor.	

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NPO#MTK-P2147-USA:0 CUST#MTKI-14-301US

LEGAL NAME OF INVENTOR(ASSIGNOR)							
Inventor:	Bo-Jiun Chen		Date:	20150610			
Signature:	Bo-Trun	chen					

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### Title of Invention:

METHOD FOR PERFORMING LOOP UNROLLED DECISION FEEDBACK EQUALIZATION IN AN ELECTRONIC DEVICE WITH AID OF VOLTAGE FEEDFORWARD, AND ASSOCIATED APPARATUS

As the below named inventor, I here This declaration is directed to:	by 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 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.							
I hereby acknowledge that any willful false statement made in this declaration is punishable under18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.							
In consideration of the payment by	MEDIATEK INC.	havir	ng a postal address of				
No. 1, Dusing Rd. 1st, Science	e-Based Industrial	Park, Hsin-Chu 300,	Taiwan, R.O.C.				
(referred to as "ASSIGNEE" below) to I of the sum of One Dollar (\$ 1.00), the receipt of which is hereby acknowledged, andfor other good and valuable consideration.							
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, 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 WINTNESS WHEREOF, I have hereunto set hand and seal this							
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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ELEGAL IVAIVE OF INVENTOR (ASSIGNOR)						
Inventor:	Yan-Bin Luo	Date	: 2015.6.10			
Signature:	Tan-Bin	Lin				

NPO#MTK-P2147-USA:0 CUST#MTKI-14-301US

**RECORDED: 06/12/2015** 

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