PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2585650

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Lin-Hung Chen	10/17/2013
Tao-Chun Wang	10/17/2013
Yu-Kai Yen	10/17/2013
Hung-Tai Chen	10/17/2013

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:	14059461

CORRESPONDENCE DATA

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 (703)997-4517

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ATTORNEY DOCKET NUMBER:	REAP0798USA
NAME OF SUBMITTER:	SHELLEY KUO
Signature:	/SHELLEY KUO/
Date:	10/22/2013 PATENT

502540227 REEL: 031448 FRAME: 0878

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Total Attachments: 8	
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PATENT REEL: 031448 FRAME: 0879

Title of Invention:

DATA TRANSMISSION CIRCUIT AND DATA TRANSMISSION METHOD USING CONFIGURABLE THRESHOLD AND RELATED UNIVERSAL SERIAL BUS SYSTEM

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 b	by me.		
I believe that I am the original inventor or an original joint inventor of a application.	claimed invention in the		
I hereby acknowledge that any willful false statement made in this dec under18 U.S.C. 1001 by fine or imprisonment of not more than five (5)	elaration is punishable o years, or both.		
In consideration of the payment by Realtek Semiconductor Co	rp. having a postal address of		
2 Innovation Rd. II, Science Park, HsinChu 30076, Taiwar	n, R.O.C.		
(referred to as "ASSIGNEE"below) to I of the sum of One Dollar (\$ 1.0 acknowledged, andfor other good and valuable consideration.	0), the receipt of which is hereby		
I hereby sell, assign and transfer to ASSIGNEE and the successors are the entire right, title and interest in and to any and all improvements whit invention as above-identified application and, in and to, all Letters Pate invention by the above application or any continuations, continuation-insubstitutes, or extensions thereof, and as to Letters Patent any reissues.	hich are disclosed in the ent to be obtained for said n-part, divisions, renewals.		
hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;			
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 maintain, issue and enforce said application, said invention and said L equivalents thereof which may be necessary or desirable to carry out to N	etters Patent and said		
Note: An application data sheet (PTO/SB/14 or equivalent), including r nventive entity, must accompany this form. Use this form for <u>each add</u>	naming the entire litional inventor.		

Page 1 of 8

NPO#REA-P0798-USA:0 CUST#101A-095US

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:

Lin-Hung Chen

Date:

OCT 1 7 2013

Signature:

Lin-Hung Chen

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F#NPO-P0002E-US1201 DSC0-101U017855

NPO#REA-P0798-USA:0 CUST#101A-095US

> PATENT REEL: 031448 FRAME: 0881

Title of Invention:

DATA TRANSMISSION CIRCUIT AND DATA TRANSMISSION METHOD USING CONFIGURABLE THRESHOLD AND RELATED UNIVERSAL SERIAL BUS SYSTEM

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 m	nade by me.	
I believe that I am the original inventor or an original joint invento application.	or of a claimed invention in	ı the
I hereby acknowledge that any willful false statement made in this under18 U.S.C. 1001 by fine or imprisonment of not more than fix	s declaration is punishabl ve (5) years, or both.	е
In consideration of the payment by Realtek Semiconducto	or Corp. having a po	ostal address of
2 Innovation Rd. II, Science Park, HsinChu 30076, Ta	iwan, R.O.C.	
(referred to as "ASSIGNEE"below) to I of the sum of One Dollar (acknowledged, andfor other good and valuable consideration.	(\$ 1.00), the receipt of whi	ich is hereby
I hereby sell, assign and transfer to ASSIGNEE and the successor the entire right, title and interest in and to any and all improvement invention as above-identified application and, in and to, all Letters invention by the above application or any continuations, continuations, or extensions thereof, and as to Letters Patent any results.	nts which are disclosed in s Patent to be obtained fo tion-in-part, divisions, ren	the r said ewals
I hereby covenant that no assignment, sale, agreement or encumentered into which would conflict with this assignment;	nbrance has been or will b	e made or
I further covenant that ASSIGNEE will, upon its request, be provious and documents relating to said invention and said Letters Patent known and accessible to I and will testify as to the same in any in related thereto and will promptly execute and deliver to ASSIGNE	and legal equivalents as interference. litigation proce	mav be
representatives any and all papers, instruments or affidavits requimaintain, issue and enforce said application, said invention and sequivalents thereof which may be necessary or desirable to carry IN WINTNESS WHEREOF, I have hereunto set hand and seal the	aid Letters Patent and sa	id : (Date of signing)
Note: An application data sheet (PTO/SB/14 or equivalent), includinventive entity, must accompany this form. Use this form for <u>eacl</u>	ding naming the entire h additional inventor.	

Page 3 of 8

NPO#REA-P0798-USA:0 CUST#101A-095US

Inventor: Tao-Chun Wang

Date: OCT 1 7 2013

Signature: Tw - Um Wang

Page 4 of 8

Title of Invention:

DATA TRANSMISSION CIRCUIT AND DATA TRANSMISSION METHOD USING CONFIGURABLE THRESHOLD AND RELATED UNIVERSAL SERIAL BUS SYSTEM

As the below named inventor, I here This declaration is directed to:	eby declare that:		
The attached application, o	r		
☐ United States application n	umber	filed on	, or
☐ PCT international application	on number	filed on	
The above-identified application wa	s made or authorized to be made	e by me.	
I believe that I am the original inven application.	tor or an original joint inventor of	a claimed inve	ntion in the
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impl	al false statement made in this de risonment of not more than five (eclaration is pur 5) years, or bot	nishable h.
In consideration of the payment by	Realtek Semiconductor C	orp. havir	ng a postal address of
2 Innovation Rd. II, Science P	ark, HsinChu 30076, Taiwa	an, R.O.C.	
(referred to as "ASSIGNEE"below) t acknowledged, andfor other good a	o I of the sum of One Dollar (\$ 1 nd valuable consideration.	.00), the receipt	of which 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 of substitutes, or extensions thereof, a	ind to any and all improvements wation and, in and to, all Letters Pa r any continuations, continuation	which are disclo atent to be obta i-in-part, division	osed in the ined for said ns. renewals.
I hereby covenant that no assignme entered into which would conflict wit	nt, sale, agreement or encumbra h this assignment;	ince has been c	or will be made or
I further covenant that ASSIGNEE wand documents relating to said inverse, where the land will to land will to related thereto and will promptly exe	ntion and said Letters Patent and estify as to the same in any interf	l legal equivaler erence, litigatio	nts as mav be
representatives any and all papers, 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 ou	Letters Patent	and said thereof.
Note: An application data sheet (PTo inventive entity, must accompany thi	O/SB/14 or equivalent), including is form. Use this form for <u>each ac</u>	naming the en	tire or.

Page 5 of 8

NPO#REA-P0798-USA:0 CUST#101A-095US

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:

Yu-Kai Yen

Date:

OCT 1 7 2013

Signature:

Page

F#NPO-P0002E-US1201 DSC0-101U017855

PATENT

REEL: 031448 FRAME: 0885

Title of Invention:

DATA TRANSMISSION CIRCUIT AND DATA TRANSMISSION METHOD USING CONFIGURABLE THRESHOLD AND RELATED UNIVERSAL SERIAL BUS SYSTEM

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 invapplication.	rentor of a claimed invention in	the
I hereby acknowledge that any willful false statement made in under18 U.S.C. 1001 by fine or imprisonment of not more the	in this declaration is punishable an five (5) years, or both.	•
In consideration of the payment by Realtek Semicondu	uctor Corp. having a pos	stal address of
2 Innovation Rd. II, Science Park, HsinChu 30076	, Taiwan, R.O.C.	
(referred to as "ASSIGNEE" below) to I of the sum of One Do acknowledged, andfor other good and valuable consideration	ollar (\$ 1.00), the receipt of which n.	th is hereby
I hereby sell, assign and transfer to ASSIGNEE and the succe the entire right, title and interest in and to any and all improve invention as above-identified application and, in and to, all Le invention by the above application or any continuations, cont substitutes, or extensions thereof, and as to Letters Patent a	ements which are disclosed in t etters Patent to be obtained for tinuation-in-part, divisions, rene	the said wals,
I hereby covenant that по assignment, sale, agreement or er entered into which would conflict with this assignment;	ncumbrance has been or will be	made or
I further covenant that ASSIGNEE will, upon its request, be pand documents relating to said invention and said Letters Paknown and accessible to I and will testify as to the same in a related thereto and will promptly execute and deliver to ASS	atent and legal equivalents as many interference, litigation proce	nay be
representatives any and all papers, instruments or affidavits maintain, issue and enforce said application, said invention a equivalents thereof which may be necessary or desirable to IN WINTNESS 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 for		

Page 7 of 8

NPO#REA-P0798-USA:0 CUST#101A-095US

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:

Hung-Tai Chen

Date:

OCT 1 7 2013

Signature:

Hung-Tai Chen

Page 8 of 8

F#NPO-P0002E-US1201 DSC0-101U017855

PATENT

RECORDED: 10/22/2013

NPO#REA-P0798-USA:0

CUST#101A-095US

REEL: 031448 FRAME: 0887