

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6805240

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LONG YU	04/09/2021
JIN YANG	04/09/2021
JIANHUA YANG	04/09/2021
PENGCHENG TANG	04/09/2021
XIAODONG ZHAN	04/09/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	RENESAS ELECTRONICS AMERICA INC.
<b>Street Address:</b>	1001 MURPHY RANCH ROAD
<b>City:</b>	MILPITAS
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95035
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17371785
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(516)742-4366
<i>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.</i>	
<b>Phone:</b>	5167424343
<b>Email:</b>	drodriquez@ssmp.com
<b>Correspondent Name:</b>	SCULLY, SCOTT, MURPHY & PRESSER, P.C.
<b>Address Line 1:</b>	400 GARDEN CITY PLAZA
<b>Address Line 2:</b>	SUITE 300
<b>Address Line 4:</b>	GARDEN CITY, NEW YORK 11530
<b>ATTORNEY DOCKET NUMBER:</b>	39112
<b>NAME OF SUBMITTER:</b>	CHAO WEI CHUNG
<b>SIGNATURE:</b>	/Chao Wei Chung/
<b>DATE SIGNED:</b>	07/09/2021
This document serves as an Oath/Declaration (37 CFR 1.63).	

**Total Attachments: 10**

source=39112\_R211312US\_Assign-Dec\_Jianhua#page1.tif

source=39112\_R211312US\_Assign-Dec\_Jianhua#page2.tif

source=39112\_R211312US\_Assign-Dec\_Jin#page1.tif

source=39112\_R211312US\_Assign-Dec\_Jin#page2.tif

source=39112\_R211312US\_Assign-Dec\_TANG#page1.tif

source=39112\_R211312US\_Assign-Dec\_TANG#page2.tif

source=39112\_R211312US\_Assign-Dec\_YU#page1.tif

source=39112\_R211312US\_Assign-Dec\_YU#page2.tif

source=39112\_R211312US\_Assign-Dec\_ZHAN#page1.tif

source=39112\_R211312US\_Assign-Dec\_ZHAN#page2.tif

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

**Title of  
Invention:** POWER CONVERTER IN PEAK CURRENT MODE CONSTANT-  
OFF TIME CONTROL

As the below named inventor, I hereby declare that:

This declaration is directed to:

- the attached application, or  
 United States application 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 am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

Whereas, the undersigned inventor has made certain inventions, improvements and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application;

Whereas, **RENASAS ELECTRONICS AMERICA INC.**, having a place of business at **1001 MURPHY RANCH ROAD, MILPITAS, CALIFORNIA 95035, USA**, desires to acquire, and the undersigned inventor desires to grant to **RENASAS ELECTRONICS AMERICA INC.**, the entire worldwide right, title and interest in and to any and all patent applications and patents directed thereto;

Now, therefore, in consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, the undersigned inventor hereby sells, assigns and transfers to **RENASAS ELECTRONICS AMERICA INC.** (the "Assignee"), its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisional, continuing, substitute, reexamination, renewal, reissue and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In



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

**Title of  
Invention:** POWER CONVERTER IN PEAK CURRENT MODE CONSTANT-  
OFF TIME CONTROL

As the below named inventor, I hereby declare that:

This declaration is directed to:

- the attached application, or
- United States application 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 am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

Whereas, the undersigned inventor has made certain inventions, improvements and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application;

Whereas, **RENESAS ELECTRONICS AMERICA INC.**, having a place of business at **1001 MURPHY RANCH ROAD, MILPITAS, CALIFORNIA 95035, USA**, desires to acquire, and the undersigned inventor desires to grant to **RENESAS ELECTRONICS AMERICA INC.**, the entire worldwide right, title and interest in and to any and all patent applications and patents directed thereto;

Now, therefore, in consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, the undersigned inventor hereby sells, assigns and transfers to **RENESAS ELECTRONICS AMERICA INC.** (the "Assignee"), its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisional, continuing, substitute, reexamination, renewal, reissue and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In

addition, the undersigned inventor hereby authorizes and requests the Commissioner of Patents to issue, in accordance with this assignment, any and all United States Letters Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention to said Assignee, its successors, assigns and legal representatives; and agreeing to carry out in good faith the intent and purpose of this assignment, the undersigned inventor will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and legal representatives, all facts known to the undersigned inventor relating to said improvements and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned inventor, and that full right to convey the same as herein expressed is possessed by the undersigned inventor.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR

Inventor (Printed Name): Jin YANG

Date (MM-DD-YYYY):

2021.04.09

Signature:

Jin Yang

**SCULLY, SCOTT, MURPHY & PRESSER, PC**

400 GARDEN CITY PLAZA, SUITE 300, GARDEN CITY, NY 11530

Telephone: (516) 742-4343 Facsimile: (516) 742-4366 Email: intprop@ssmp.com

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

**Title of  
Invention:** POWER CONVERTER IN PEAK CURRENT MODE CONSTANT-  
OFF TIME CONTROL

As the below named inventor, I hereby declare that:

This declaration is directed to:

- the attached application, or  
 United States application 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 am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

Whereas, the undersigned inventor has made certain inventions, improvements and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application;

Whereas, **RENASAS ELECTRONICS AMERICA INC.**, having a place of business at **1001 MURPHY RANCH ROAD, MILPITAS, CALIFORNIA 95035, USA**, desires to acquire, and the undersigned inventor desires to grant to **RENASAS ELECTRONICS AMERICA INC.**, the entire worldwide right, title and interest in and to any and all patent applications and patents directed thereto;

Now, therefore, in consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, the undersigned inventor hereby sells, assigns and transfers to **RENASAS ELECTRONICS AMERICA INC.** (the "Assignee"), its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisional, continuing, substitute, reexamination, renewal, reissue and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In

addition, the undersigned inventor hereby authorizes and requests the Commissioner of Patents to issue, in accordance with this assignment, any and all United States Letters Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention to said Assignee, its successors, assigns and legal representatives; and agreeing to carry out in good faith the intent and purpose of this assignment, the undersigned inventor will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and legal representatives, all facts known to the undersigned inventor relating to said improvements and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned inventor, and that full right to convey the same as herein expressed is possessed by the undersigned inventor.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR

Inventor (Printed Name): Pengcheng TANG Date (MM-DD-YYYY): 04-09-2021

Signature: Pengcheng Tang

**SCULLY, SCOTT, MURPHY & PRESSER, PC**  
400 GARDEN CITY PLAZA, SUITE 300, GARDEN CITY, NY 11530  
Telephone: (516) 742-4343 Facsimile: (516) 742-4366 Email: intprop@ssmp.com



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

**Title of  
Invention:** POWER CONVERTER IN PEAK CURRENT MODE CONSTANT-  
OFF TIME CONTROL

As the below named inventor, I hereby declare that:

This declaration is directed to:

- the attached application, or  
 United States application 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 am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

Whereas, the undersigned inventor has made certain inventions, improvements and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application;

Whereas, **RENESAS ELECTRONICS AMERICA INC.**, having a place of business at **1001 MURPHY RANCH ROAD, MILPITAS, CALIFORNIA 95035, USA**, desires to acquire, and the undersigned inventor desires to grant to **RENESAS ELECTRONICS AMERICA INC.**, the entire worldwide right, title and interest in and to any and all patent applications and patents directed thereto;

Now, therefore, in consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, the undersigned inventor hereby sells, assigns and transfers to **RENESAS ELECTRONICS AMERICA INC.** (the "Assignee"), its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisional, continuing, substitute, reexamination, renewal, reissue and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In

addition, the undersigned inventor hereby authorizes and requests the Commissioner of Patents to issue, in accordance with this assignment, any and all United States Letters Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention to said Assignee, its successors, assigns and legal representatives; and agreeing to carry out in good faith the intent and purpose of this assignment, the undersigned inventor will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and legal representatives, all facts known to the undersigned inventor relating to said improvements and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned inventor, and that full right to convey the same as herein expressed is possessed by the undersigned inventor.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR

Inventor (Printed Name): Long YU

Date (MM-DD-YYYY):

04-09-2021

Signature:

Long Yu

SCULLY, SCOTT, MURPHY & PRESSER, PC  
400 GARDEN CITY PLAZA, SUITE 300, GARDEN CITY, NY 11530  
Telephone: (516) 742-4343 Facsimile: (516) 742-4366 Email: intprop@ssmp.com

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

**Title of Invention:** POWER CONVERTER IN PEAK CURRENT MODE CONSTANT-OFF TIME CONTROL

As the below named inventor, I hereby declare that:

This declaration is directed to:

- the attached application, or
- United States application 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 am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

Whereas, the undersigned inventor has made certain inventions, improvements and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application;

Whereas, **RENEASAS ELECTRONICS AMERICA INC.**, having a place of business at **1001 MURPHY RANCH ROAD, MILPITAS, CALIFORNIA 95035, USA**, desires to acquire, and the undersigned inventor desires to grant to **RENEASAS ELECTRONICS AMERICA INC.**, the entire worldwide right, title and interest in and to any and all patent applications and patents directed thereto;

Now, therefore, in consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, the undersigned inventor hereby sells, assigns and transfers to **RENEASAS ELECTRONICS AMERICA INC.** (the "Assignee"), its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisional, continuing, substitute, reexamination, renewal, reissue and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In

addition, the undersigned inventor hereby authorizes and requests the Commissioner of Patents to issue, in accordance with this assignment, any and all United States Letters Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention to said Assignee, its successors, assigns and legal representatives; and agreeing to carry out in good faith the intent and purpose of this assignment, the undersigned inventor will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and legal representatives, all facts known to the undersigned inventor relating to said improvements and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned inventor, and that full right to convey the same as herein expressed is possessed by the undersigned inventor.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR

Inventor (Printed Name): Xiaodong ZHAN

Date (MM-DD-YYYY): 04-09-2021

Signature:

Xiaodong Zhan

**SCULLY, SCOTT, MURPHY & PRESSER, PC**  
400 GARDEN CITY PLAZA, SUITE 300, GARDEN CITY, NY 11530  
Telephone: (516) 742-4343 Facsimile: (516) 742-4366 Email: intprop@ssmp.com