

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6924665

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JINGWEN MAO	09/18/2020
ZHIJIE ZHU	09/18/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ANALOG DEVICES INTERNATIONAL UNLIMITED COMPANY
<b>Street Address:</b>	BAY F1 RAHEEN INDUSTRIAL ESTATE
<b>City:</b>	LIMERICK, CO. LIMERICK
<b>State/Country:</b>	IRELAND
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17466839
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>Email:</b>	request@slwip.com
<b>Correspondent Name:</b>	SCHWEGMAN LUNDBERG & WOESSNER, P.A.
<b>Address Line 1:</b>	P.O. BOX 2938
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55402
<b>ATTORNEY DOCKET NUMBER:</b>	3867.750US1
<b>NAME OF SUBMITTER:</b>	DIANA JOHNSON
<b>SIGNATURE:</b>	/Diana Johnson/
<b>DATE SIGNED:</b>	09/20/2021
<b>Total Attachments: 4</b>	
source=3867.750US1 Assignment signed#page1.tif	
source=3867.750US1 Assignment signed#page2.tif	
source=3867.750US1 Assignment signed#page3.tif	
source=3867.750US1 Assignment signed#page4.tif	

RECORDATION FORM COVER SHEET  
PATENTS ONLY

Atty Ref/Docket No.: 3867.750US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Jingwen Mao, Zhijie Zhu

Additional name(s) of conveying party(ies) attached?

Yes  No

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: September 18, 2020, September 18, 2020

2. Name and address of receiving party(ies):

Name: Analog Devices International Unlimited Company

Street Address: Bay F1 Raheen Industrial Estate

City: Limerick, Co. Limerick

Country: Ireland

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

Serial No. 17/466,839

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Adeel Haroon

Address:

Schwegman Lundberg & Woessner, P.A.  
P.O. Box 2938  
Minneapolis, Minnesota 55402

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):\$ 0.00

Enclosed

Authorized to be charged to deposit account  
19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

**DO NOT USE THIS SPACE**

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Adeel Haroon/Reg. No. 64,938

Name of Person Signing

/Adeel Haroon/

Signature

September 20, 2021

Date

Total number of pages including cover sheet: 4

Mail documents to be recorded with required cover sheet information to:

**Commissioner of Patents and Trademarks**  
**Mail Stop Assignment Recordation Services**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

**PATENT**  
**REEL: 057531 FRAME: 0200**

ATTORNEY DOCKET NO.  
3867.750PRV(APD7077US01)

ASSIGNMENT

**ASSIGNMENT**

**WHEREAS**, I am a named inventor, **Jingwen Mao, Zhijie Zhu**, of residence listed below, having invented certain new and useful improvements as described in an application for United States Letters Patent entitled "**SPUR FREE SWITCHING REGULATOR WITH SELF-ADAPTIVE CANCELLATION OF COIL CURRENT RIPPLE**," (hereinafter referred to as "Application") and having internal reference number of **APD7077US01**.

**WHEREAS**, I hereby authorize and request the attorneys or agents associated with United States Patent and Trademark Office Customer No. **165378** to insert here in parentheses (Ser. No. 63/075,676; Filing Date: September 8, 2020) the filing date and serial number of the Application when known;

**WHEREAS**, **Analog Devices International Unlimited Company**, (hereinafter referred to as "Assignee"), a Corporation of **Ireland**, with an address of **Bay F1 Raheen Industrial Estate, Limerick, Co. Limerick, Ireland**, desires to acquire my entire right, title and interest in and to any and all inventions and improvements that are disclosed in the Application (hereinafter referred to as "Invention"), including any Letters Patent that may issue thereon;

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I hereby assign and transfer, and hereby agree to assign and transfer, to Assignee, all right, title and interest in and to the Invention and in and to the Application and all patents which may be granted therefrom, and all related applications (e.g., provisional applications, divisional applications, reissues, reexaminations, continuation applications, continuation-in-part applications, extensions thereof, design applications, applications in foreign countries, international applications, national phase applications, and the like). I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents, for the Invention, or patents resulting therefrom, insofar as my interest is concerned, to Assignee.

I also hereby assign and transfer, and hereby agree to assign and transfer to Assignee, all right, title and interest to the Invention, the Application or any related application throughout the world, including all rights of priority resulting from the filing of the Application or any related application, including but not limited to: the right to file applications and obtain patents, utility models, industrial models and designs for the Invention in Assignee's own name throughout the world, the right to claim priority from the Application or any related application when filing applications and obtaining patents, utility models, industrial models and designs for the Invention throughout the world, and all rights to publish cautionary notices reserving ownership of the Invention and all rights to register the Invention in appropriate registries. I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in and to Assignee.

ATTORNEY DOCKET NO.  
3867.750PRV(APD7077US01)

ASSIGNMENT

I will communicate to Assignee any facts known to me respecting any improvements to the Invention; and I will sign all lawful papers, execute all rightful assignments, execute all provisional, divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in and to Assignee and to aid Assignee to obtain and enforce proper protection for the Invention in all countries and jurisdictions throughout the world. I irrevocably appoint Assignee as my attorney-in-fact to execute on my behalf any documents deemed necessary by Assignee to obtain and enforce proper protection for the Invention in all countries and jurisdictions throughout the world. I agree to testify and cooperate with Assignee in any judicial proceeding, administrative proceeding, post-grant proceeding, or other proceeding concerning the Invention (including litigation with a third party over any patent issued on the Invention), and Assignee agrees to cover my reasonable costs and expenses (if any).

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Title of Invention: SPUR FREE SWITCHING REGULATOR  
WITH SELF-ADAPTIVE  
CANCELLATION OF COIL CURRENT  
RIPPLE

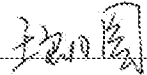
Full name of inventor: Jingwen Mao

Inventor's signature: 

Date: 2020.9.18

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Witness's Print Name: Basa Wang

Witness's signature: 

Witness Home Address: RM201, X/0.38, Lane 1888,  
Langqi Rd., Pudong District, Shanghai, China.

ATTORNEY DOCKET NO.  
3867.750PRV(APD7077US01)

ASSIGNMENT

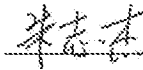
Title of Invention:

SPUR FREE SWITCHING REGULATOR  
WITH SELF-ADAPTIVE  
CANCELLATION OF COIL CURRENT  
RIPPLE

Full name of inventor:

Zhijie Zhu

Inventor's signature:



Date:

2020.9.18

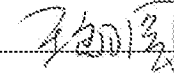
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