

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5323769

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MOHAMED AHMED YOUSSEF ABDALLA	01/14/2019
AHMED ESSAM ELDIN MAHMOUD AMER	01/14/2019
AHMED KHALIL	01/14/2019
<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
<b>State/Country:</b>	IRELAND
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16246917
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(972)226-4837
<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>	214-823-1241
<b>Email:</b>	bonnie@patcapgroup.com, docketing@patcapgroup.com
<b>Correspondent Name:</b>	THOMAS J. FRAME
<b>Address Line 1:</b>	2816 LAGO VISTA DRIVE
<b>Address Line 2:</b>	PATENT CAPITAL GROUP
<b>Address Line 4:</b>	ROCKWALL, TEXAS 75032
<b>ATTORNEY DOCKET NUMBER:</b>	26256.0713-NP (APD6707-1)
<b>NAME OF SUBMITTER:</b>	NATALYA HARTMANN
<b>SIGNATURE:</b>	/Natalya Hartmann/
<b>DATE SIGNED:</b>	01/14/2019
<b>Total Attachments: 5</b>	
source=APD6707US01-FILED-2019-01-14-Assignment#page1.tif	
source=APD6707US01-FILED-2019-01-14-Assignment#page2.tif	
source=APD6707US01-FILED-2019-01-14-Assignment#page3.tif	
source=APD6707US01-FILED-2019-01-14-Assignment#page4.tif	



**ASSIGNMENT**

**WHEREAS**, I am a named inventor, **Mohamed Ahmed Youssef ABDALLA; Ahmed Essam Eldin Mahmoud AMER; Ahmed KHALIL**, of residence listed below, having invented certain new and useful improvements as described in an application for United States Letters Patent entitled "**ANTENNA APPARATUS WITH SWITCHES FOR ANTENNA ARRAY CALIBRATION**," (hereinafter referred to as "Application") and having internal reference number of 26256.0713-NP (APD6707-1);

**WHEREAS**, I hereby authorize and request the attorneys or agents associated with United States Patent and Trademark Office Customer No. 110506 to insert here in parentheses (Ser. No. 16/246,917; Filing Date: January 14, 2019) the filing date and serial number of the Application when known;

**WHEREAS**, Analog Devices International Unlimited Company (hereinafter referred to as "Assignee"), an Ireland Corporation, with an address of Bay F1, Raheen Industrial Estate, 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.  
26256.0713-NP (APD6707-1)

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 Analog Devices, Inc. as my attorney-in-fact to execute on my behalf any documents deemed necessary by Analog Devices, Inc. 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.

ATTORNEY DOCKET NO.  
26256.0713-NP (APD6707-1)

ASSIGNMENT

Title of invention:

ANTENNA APPARATUS WITH SWITCHES FOR  
ANTENNA ARRAY CALIBRATION

Full name of inventor:

Mohamed Ahmed Youssef ABDALLA

Inventor's signature:

*Mohamed Youssef*

Date:

11/1/2019

Witness's Print Name:

Ahmed Amer

Witness's signature:

Ahmed Amer

ATTORNEY DOCKET NO.  
26256.0713-NP (APD6707-1)

ASSIGNMENT

Title of Invention:

ANTENNA APPARATUS WITH SWITCHES FOR  
ANTENNA ARRAY CALIBRATION

Full name of inventor:

Ahmed Essam Eldin Mahmoud AMER

Inventor's signature:

Ahmed Amer

Date:

10/1/2019

Witness's Print Name:

Mohamed A. Y. Abdalla

Witness's signature:

Mohamed A. Y. Abdalla

ATTORNEY DOCKET NO.  
26256.0713-NP (APD6707-1)

ASSIGNMENT

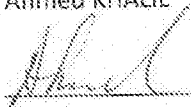
Title of invention:

ANTENNA APPARATUS WITH SWITCHES FOR  
ANTENNA ARRAY CALIBRATION

Full name of inventor:

Ahmed KHALIL

Inventor's signature:

  
\_\_\_\_\_

Date:

14/11/2019  
\_\_\_\_\_

Witness's Print Name:

Ahmed Amer  
\_\_\_\_\_

Witness's signature:

Ahmed Amer  
\_\_\_\_\_