

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6302032

<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 EL-NOZAH	09/10/2020
HOSSAM FAHMY	09/13/2020
AHMED AMER	09/13/2020
YOUSRI AHMED	09/09/2020
MOHAMED HUSSEIN	09/10/2020
<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
<b>State/Country:</b>	IRELAND
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16801562
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	ADIRE.267A
<b>NAME OF SUBMITTER:</b>	KEITH M LIM
<b>SIGNATURE:</b>	/Keith M. Lim/
<b>DATE SIGNED:</b>	09/16/2020
<b>Total Attachments: 6</b>	
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**ASSIGNMENT**

**WHEREAS**, I am a named inventor, Mohamed El-Nozahi, Hossam Ali Hassan Fahmy, Ahmed Essam Eldin Mahmoud Amer, Yousri Abozaid Mohamed Ahmed and Mohamed Hussein, of residence listed below, having invented certain new and useful improvements as described in an application for United States Letters Patent entitled "BEAMFORMER AUTOMATIC CALIBRATION SYSTEMS AND METHODS," (hereinafter referred to as "Application") and having internal reference number of APD6845US01.

**WHEREAS**, I hereby authorize and request the attorneys or agents associated with United States Patent and Trademark Office Customer No. 110,833 to insert here in parentheses (Ser. No 16/801562; Filing Date: February 26, 2020) the filing date and serial number of the Application when known;

**WHEREAS**, Analog Devices International Unlimited Company (hereinafter referred to as "Assignee"), a company organized under the laws of Ireland and residing at 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.

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.

Title of Invention: BEAMFORMER AUTOMATIC CALIBRATION SYSTEMS  
AND METHODS

Full Name of Inventor: Mohamed El-Nozahi

Inventor's Signature: M. Elnozahi

Date: 09/10/2020

Inventor's Home Address: 195T Hadayek El Ahram Apt. 41  
Giza Egypt

Witness's Printed Name: Mohamed Hussein

Witness's Signature: Mohamed Hussein

Witness's Home Address: 3. Mahwahat st, Masara jaha  
Cairo, Egypt

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).

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Title of Invention: BEAMFORMER AUTOMATIC CALIBRATION SYSTEMS AND METHODS

Full Name of Inventor: Hossam Fahmy

Inventor's Signature: Hossam Fahmy

Date: 13 September 2020

Inventor's Home Address: Naguib Mahfouz street 11B  
Nirco, Maadi Egypt 11742

Witness's Printed Name: M. Ghazali

Witness's Signature: M. Ghazali

Witness's Home Address: 104a Gharab El Akademiya,  
Cairo, Egypt

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).

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Title of Invention: BEAMFORMER AUTOMATIC CALIBRATION SYSTEMS AND METHODS

Full Name of Inventor: Ahmed Amer

Inventor's Signature: Ahmed Amer

Date: 13/9/2020

Inventor's Home Address: 18 saeed basha St.

Qalyoubia Egypt

Witness's Printed Name: \_\_\_\_\_

Witness's Signature: \_\_\_\_\_

Witness's Home Address: \_\_\_\_\_

\_\_\_\_\_

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).

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Title of Invention: BEAMFORMER AUTOMATIC CALIBRATION SYSTEMS AND METHODS

Full Name of Inventor: Yousri Ahmed

Inventor's Signature: Yousri Ahmed

Date: 08/08/2020

Inventor's Home Address: 36 El-Fath Street

Giza Egypt

Witness's Printed Name: Mohamed Hussein

Witness's Signature: Mohamed Hussein

Witness's Home Address: 3 Mohamed st, Masr el-Ghida

Cairo, Egypt

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. 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.

Title of Invention: BEAMFORMER AUTOMATIC CALIBRATION SYSTEMS AND METHODS

Full Name of Inventor: Mohamed Hussein

Inventor's Signature: Mohamed Hussein

Date: 10/9/2020

Inventor's Home Address: 11 Manshyet El Tahrir Street  
Cairo Egypt

Witness's Printed Name: Yasser Ahmed

Witness's Signature: Yasser Ahmed

Witness's Home Address: 36 El Fakh st,  
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