506122998 06/24/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6169723

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
OLIVER J. KIERSE	10/01/2018
RIGAN MCGEEHAN	10/02/2018
ALFONSO BERDUQUE	10/01/2018
DONAL PETER MCAULIFFE	10/08/2018
RAYMOND J. SPEER	10/12/2018
BRENDAN CAWLEY	10/01/2018
BRIAN J. COFFEY	10/01/2018
GERALD BLANEY	10/02/2018

RECEIVING PARTY DATA

Name:	ANALOG DEVICES GLOBAL UNLIMITED COMPANY	
Street Address:	3RD FLOOR, PAR LA VILLE PLACE 14	
Internal Address:	PAR LA VILLE ROAD	
City:	HAMILTON	
State/Country:	BERMUDA	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16159477

CORRESPONDENCE DATA

Fax Number: (949)760-9502

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.

Phone: 9497600404

Email: efiling@knobbe.com

Correspondent Name: KNOBBE, MARTENS, OLSON & BEAR, LLP

Address Line 1: 2040 MAIN STREET

Address Line 2: 14TH FLOOR

Address Line 4: IRVINE, CALIFORNIA 92614

ATTORNEY DOCKET NUMBER:	ADIRE.199A
NAME OF SUBMITTER:	YUSUKE HIRAI
SIGNATURE:	/Yusuke Hirai/

PATENT 506122998 REEL: 053028 FRAME: 0212

DATE SIGNED:	06/24/2020	
Total Attachments: 10		
source=ADIRE.199A ASSIGNMENT#page1.tif		
source=ADIRE.199A ASSIGNMENT#page2.tif		
source=ADIRE.199A ASSIGNMENT#page3.tif		
source=ADIRE.199A ASSIGNMENT#page4.tif		
source=ADIRE.199A ASSIGNMENT#page5.tif		
source=ADIRE.199A ASSIGNMENT#page6.tif		
source=ADIRE.199A ASSIGNMENT#page7.tif		
source=ADIRE.199A ASSIGNMENT#page8.tif		
source=ADIRE.199A ASSIGNMENT#page9.tif		
source=ADIRE.199A ASSIGNMENT#page10.tif		

PATENT REEL: 053028 FRAME: 0213

ASSIGNMENT

WHEREAS, I am a named inventor, Oliver J. Kierse, Rigan McGeehan, Alfonso Berduque, Donal Peter McAuliffe, Raymond J. Speer, Brendan Cawley, Brian J. Coffey or Gerald Blaney, of residence listed below, having invented certain new and useful improvements as described in an application for United States Letters Patent entitled "GAS SENSOR PACKAGES," (hereinafter referred to as "Application") and having internal reference number of APD617502US;

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. 16/159477; Filing Date: October 12, 2018) the filing date and serial number of the Application when known;

WHEREAS, Analog Devices Global Unlimited Company (hereinafter referred to as "Assignee"), a corporation organized under the laws of Ireland with its registered address at Bay F1 Raheen Industrial Estate, Limerick, Ireland and its principal place of business at 3rd Floor, Par La Ville Place 14, Par La Ville Road, Hamilton, Bermuda, 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 (including Provisional Application No. 62/582,229 filed November 6, 2017), 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

Page 1

Title of Invention:

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.

GAS SENSOR PACKAGES

Full name of inventor:	Oliver J. Kierse
Inventor's signature:	al a-
Date:	01-10-18
Inventor Home Address:	GRANCE, BALLINA HUALDE, CO. CLARE
Witness's Print Name:	Man Bake
Witness's signature:	ale Sil.
Witness Home Address:	Romin, Old Ceallow Rd, Limeaux.

ATTORNEY DOCKET NO.
ADIRE.199A (APD617502US)

ASSIGNMENT

Page 3

ATTORNEY DOCKET NO. ADIRE, 199A (APD617502US)

ASSIGNMENT

Title of Invention:	GAS SENSOR PACKAGES
Full name of inventor:	Rigan McGeehan
Inventor's signature:	Profin H. Greenhorr
Date:	02-10-2018
Inventor Home Address:	16 Gendele Cours,
Witness's Print Name: Witness's signature:	ALAN O' DONNELL
Witness Home Address:	4 MONALEEN HEIGHTS

ATTORNEY DOCKET NO. ADIRE.199A (APD617502US)

ASSIGNMENT

Title	of	Invention:

GAS SENSOR PACKAGES

Full name of inventor:

Alfonso Berduque

Inventor's signature:

ABRONE ALA

Date:

01-00108ER-2018

Inventor Home Address:

3) CLONDRINA

CRUSHEN CO. CLARE

Witness's Print Name:

BRENDAN CAULEY

Witness's signature:

Brandon Gullege

Witness Home Address:

NOW NAME WAS ALLES

PATRICKSWEH, Co. LIMBRICK

ATTORNEY DOCKET NO. ADIRE, 199A (APD617502US)

Witness Home Address:

ASSIGNMENT

Title of Invention:	GAS SENSOR PACKAGES
Full name of inventor:	Donal Peter McAuliffe
Inventor's signature:	Soul 10 Alfe
Date;	8 0 t 2012
Inventor Home Address:	35 Blackthorns, Cabrer Linevick, Co-Woodh, Ireland
Witness's Print Name:	<u> RMYS HCROMAN</u>
Witness's signature:	Andr-

26 5 Nis mak

FATGER CONSIL ROAD

hemoreca

ATTORNEY DOCKET NO. ADIRE.199A (APD617502US)

ASSIGNMENT

Title of Invention:	GAS SENSOR PACKAGES
Full name of inventor:	Raymond J. Speer
Inventor's signature:	Extraval Exerce
Date:	15/04/5018
Inventor Home Address:	GORTNAVERN BACHITILL ROAD DALKEY Co. DUBLIN IZELAND
Witness's Print Name:	BRENDAN CANALY
Witness's signature:	Bowden Garden
Witness Home Address:	<u> Du Dansem Basis nee</u> mie
•	Francisco, an Indiana

I RELIAND

ATTORNEY DOCKET NO. ADIRE 199A (APD617502US)

ASSIGNMENT

-	re	e of Invention:	
1	1 17	a of insentions	
		G. OF FITTER LICENSEL	

GAS SENSOR PACKAGES

Full name of inventor:

Brendan Cawley

Inventor's signature:

Charlen Carlest

Date:

01-007-2018

Inventor Home Address:

De Vancian BANGARANE

PATRICISMEN, CO. SIMBLICK.

Witness's Print Name:

ALFONSO REROUDIE

Witness's signature:

ABTRONIE AL

Witness Home Address:

21 CLONDRINA

CRUSHERN, CO CLAYSE

RELAND.

ATTORNEY DOCKET NO. ADIRE.199A (APD617502US)

ASSIGNMENT

THE OF INVENTION:	Title	of	Invention:
-------------------	-------	----	------------

GAS SENSOR PACKAGES

Full name of inventor:

Brian J. Coffey

Inventor's signature:

Date:

<u>64 Ochber 2018</u>

Inventor Home Address:

shinaway 1d, Ennis

Witness's Print Name:

WEARLY 2HINC

Witness's signature:

Nat Shin

Witness Home Address:

Sh HIGH WEADOWS

GOULDMOHER

CIMERICA NECLARO.

ATTORNEY DOCKET NO. ADIRE.199A (APD617502US)

ASSIGNMENT

Title of Invention:	GAS SENSOR PACKAGES
Full name of inventor:	Gerald Blaney
Inventor's signature:	
Date:	1-0ct-2018
Inventor Home Address:	Bally éahoine - Choon La Limenteik
Witness's Print Name:	NOCAN
Witness's signature:	<u> </u>
Witness Home Address:	19 MONALCEN PARK
	CUSTLE TAGY LINEACCE

Page 10

28826696