505663273 09/10/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CONSIGLIO NAZIONALE DELLE RICERCHE	07/02/2019

RECEIVING PARTY DATA

Name:	STMICROELECTRONICS S.R.L.
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16171151

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ATTORNEY DOCKET NUMBER:	17CTCO0469US01/810163.475
NAME OF SUBMITTER:	ROBERT IANNUCCI
SIGNATURE:	/Robert lannucci/
DATE SIGNED:	09/10/2019

Total Attachments: 2

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PATENT 505663273 REEL: 050324 FRAME: 0284

ASSIGNMENT

Application Number: 16/171,151

Application Country/Region: United States of America

Application Title: MOX-BASED GAS SENSOR AND MANUFACTURING METHOD

THEREOF

Assignee: STMICROELECTRONICS S.R.L.

Assignee being a company, corporation, or juristic entity of: Italy

Assignee's principal place of business: Via C. Olivetti, 2, Agrate Brianza, Italy, 20864

WHEREAS, Assignor Consiglio Nazionale delle Ricerche — CNR, an Italian Public Research Institution, was assigned certain rights in and to certain inventions, and application for Letters Patent of the United States entitled MOX-BASED GAS SENSOR AND MANUFACTURING METHOD THEREOF, filed on October 25, 2018, as U.S. Application No. 16/171,151; and

WHEREAS, Assignee STMICROELECTRONICS S.R.L., an Italian corporation, residing or having a principal place of business at Via C. Olivetti, 2, Agrate Brianza, Italy, 20864, is desirous of acquiring the entire right, title and interest in and to the inventions and the application for Letters Patent of the United States, and in and to any Letters Patent to be obtained therefor and thereon worldwide.

Now, therefore, for and in consideration of good and valuable consideration, the receipt, sufficiency, and adequacy of which are hereby acknowledged, Assignor hereby transfers and assigns to Assignee, its legal representatives, successors, and assigns, its entire right, title, and interest in and to the inventions for which the above identified patent application is made and describes (hereinafter referred to as "the Patent Rights"), together with any and all patents or patent applications anywhere worldwide to which any of the Patent Rights directly or indirectly claims priority, including but not limited to provisional applications thereof, or for which any of the Patent Rights directly or indirectly forms a basis for priority, together with all existing and/or future continuations, continuations-in-part, continuing prosecution applications, requests for continuing examinations, divisions, reissues, reexaminations, extensions, registrations, and foreign counterparts of any item in any of the foregoing, together with the right to sue for and be entitled to any damages, injunctive relief, and any other remedies of any kind for past, current, and future infringement thereof, together with all rights worldwide in the Patent Rights; said entire right, title, and interest, to be held and enjoyed by the Assignce for its own use and enjoyment and for the use and enjoyment of its legal representatives, successors, and assigns to the full end of the term for which the aforementioned rights may be granted anywhere in the world.

Assignor hereby further agrees to assist in and execute all documents needed now or in the future to perfect, obtain, and secure the aforementioned rights to Assignee, its legal representatives, successors, and assigns, for any jurisdiction in the world. At the expense of Assignee, or its legal

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representatives, successors, or assigns, Assignor agrees to assist in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid Assignee, its legal representatives, successors, and assigns, to enforce the aforementioned rights in any and all countries and regions worldwide.

Assignor hereby grants Assignee, along with the following Assignee representatives, the power to insert in this Assignment any further identification that may be necessary or desirable in order to comply with the rules for recordation of this document any place in the world: All practitioners at Customer Number 38106.

Date: 2, 2018	Signature: Little BOW	(Assignor)
	Print Name: <u>CRISTINA</u> BATTA Title:	<u>9/18</u>
Acknowledged and accepted by:		
STMICROELECTRONICS S.R.I	ade	
Date: 19 Jup, 2019	Signature: Print Name: ORYO SELVE 22A Title: MANAGING DECEY	_(Assignee)
Date: <u>3 08 7019</u>	Print Name: LUCIO COLCTISO	(Assignee)
	Title: GENERAL MANAGER	
Seed Ref. No. 810163.475 6857009 LDDC		

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