PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4981188

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID ERIC SCHWARTZ	05/21/2018
JIANER BAO	05/24/2018

RECEIVING PARTY DATA

Name:	PALO ALTO RESEARCH CENTER INCORPORATED
Street Address:	3333 COYOTE HILL ROAD
City:	PALO ALTO
State/Country:	CALIFORNIA
Postal Code:	94304

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15991371

CORRESPONDENCE DATA

Fax Number: (216)363-9001

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: 216-363-9000

Email:gklemencic@FAYSHARPE.COMCorrespondent Name:FAY SHARPE LLP / XEROX - PARCAddress Line 1:1228 EUCLID AVENUE, 5TH FLOOR

Address Line 2: THE HALLE BUILDING
Address Line 4: CLEVELAND, OHIO 44115

ATTORNEY DOCKET NUMBER:	20170566US01-XER3440US01	
NAME OF SUBMITTER:	MARK D. KLINKO	
SIGNATURE:	/Mark D. Klinko/	
DATE SIGNED:	05/29/2018	

Total Attachments: 2

source=Assignment#page1.tif source=Assignment#page2.tif

PATENT 504934442 REEL: 045922 FRAME: 0665

Attorney File No.: 20170566US01-XER3440US01

ASSIGNMENT

The undersigned is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled <u>GAS SENSOR</u> (the "Application") for inventions disclosed or claimed therein (the "Invention(s)") which Application:
is being executed concurrently herewith, was first executed on was filed on sa Application Number claims the benefit of U.S. Provisional Application(s) No(s). filed
Palo Alto Research Center Incorporated, a Delaware Corporation, on behalf of itself, its successors and assigns, and its legal representatives ("PARC"), is entitled to all rights in the Application and the Invention(s), and the full cooperation of the Inventor(s).
For valuable consideration, the receipt of which is hereby acknowledged, the Inventor(s) hereby sell(s), assign(s), and transfer(s) to PARC the entire and exclusive right, title and interest in the Application and the Invention(s), in and for the United States, its territories, and all foreign countries, including all applications, patents, design registrations and publications obtained or derived therefrom, world wide, and all priority rights under all present or future conventions and treaties, and any provisional applications for which priority is claimed in the Application; and
 request the U.S. Commissioner of Patents to issue all U.S. Letters Patent granted thereon to PARC; agree that PARC may apply for and receive all foreign Letters Patent thereon; agree to execute all papers and take all actions necessary or desirable in connection therewith requested by PARC; and authorize PARC to subsequently enter the Application Number on this Assignment, if not already
Des / Evc Do 5/26/18
David Eric Schwartz DATE

DATE

Jianer Bao

REEL: 045922 FRAME: 0666

Attorney File No.: 20170566US01-XER3440US01

ASSIGNMENT

The undersigned is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled <u>GAS SENSOR</u> (the "Application") for inventions disclosed or claimed therein (the "Invention(s)") which Application:
is being executed concurrently herewith, was first executed on was filed on as Application Number claims the benefit of U.S. Provisional Application(s) No(s). filed
Palo Alto Research Center Incorporated, a Delaware Corporation, on behalf of itself, its successors and assigns, and its legal representatives ("PARC"), is entitled to all rights in the Application and the Invention(s), and the full cooperation of the Inventor(s).
For valuable consideration, the receipt of which is hereby acknowledged, the Inventor(s) hereby sell(s), assign(s), and transfer(s) to PARC the entire and exclusive right, title and interest in the Application and the Invention(s), in and for the United States, its territories, and all foreign countries, including all applications, patents, design registrations and publications obtained or derived therefrom, world wide, and all priority rights under all present or future conventions and treaties, and any provisional applications for which priority is claimed in the Application; and
 request the U.S. Commissioner of Patents to issue all U.S. Letters Patent granted thereon to PARC; agree that PARC may apply for and receive all foreign Letters Patent thereon; agree to execute all papers and take all actions necessary or desirable in connection therewith requested by PARC; and authorize PARC to subsequently enter the Application Number on this Assignment, if not already entered above.
David Eric Schwartz DATE
Janer 3as 5/24/2018

PATENT REEL: 045922 FRAME: 0667

RECORDED: 05/29/2018