

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Gary Fedder	07/25/2011
Nathan Lazarus	07/21/2011
<b>RECEIVING PARTY DATA</b>	
Name:	Carnegie Mellon University
Street Address:	5000 Forbes University
City:	Pittsburgh
State/Country:	PENNSYLVANIA
Postal Code:	15213
<b>PROPERTY NUMBERS Total: 2</b>	
Property Type	Number
Application Number:	61396969
Application Number:	13152450
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(412)945-5933
Phone:	14124718815
Email:	assignments@webblaw.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Jesse A. Hirshman
Address Line 1:	One Gateway Center
Address Line 2:	Suite 1200
Address Line 4:	Pittsburgh, PENNSYLVANIA 15222
ATTORNEY DOCKET NUMBER:	6526-111977
NAME OF SUBMITTER:	Jesse A. Hirshman Reg. No.: 40,016
Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif	

OP \$80.00 61396969

**501655913**

**PATENT  
 REEL: 026894 FRAME: 0363**

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Gary Fedder  
Nathan Lazarus

**2. Name and address of receiving party(ies)**

Name: Carnegie Mellon University

Internal Address: \_\_\_\_\_

Street Address: 5000 Forbes Avenue

City: Pittsburgh

State: PA

Country: United States Zip: 15213

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 07/25/2011; 07/21/2011

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other \_\_\_\_\_

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

13/152,450

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Jesse A. Hirshman

Internal Address: The Webb Law Firm

Street Address: One Gateway Center  
420 Ft. Duquesne Blvd., Ste 1200

City: Pittsburgh

State: PA Zip: 15222

Phone Number: 412-471-8815

Fax Number: 412-945-5933

Email Address: assignments@webblaw.com

**6. Total number of applications and patents involved: 2**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 80**

☒ Authorized to be charged by credit card

☐ Authorized to be charged to deposit account

☐ Enclosed

☐ None required (government interest not affecting title)

**8. Payment Information**

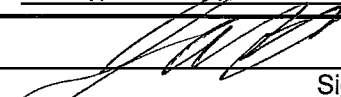
a. Credit Card Last 4 Numbers 4775

Expiration Date 05/2012

b. Deposit Account Number 23-0650

Authorized User Name The Webb Law Firm

**9. Signature:**

  
Signature

September 13, 2011

Date

Jesse A. Hirshman

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

"METHOD, APPARATUSES, AND SYSTEMS FOR MICROMECHANICAL GAS  
CHEMICAL SENSING CAPACITOR"

(Invention Title)

☒ for which a United States Provisional Patent application was filed on 06/04/2010 (mm/dd/yyyy) and bears Application Number 61/396,969 (hereinafter "said application").

AND/OR

☐ for which I have this day executed an application for a United States Patent (hereinafter "said application").

AND/OR

☒ for which an application for a United States Patent was filed on 06/03/2011 (mm/dd/yyyy) and bears Application Number 13/152,450 (hereinafter "said application").

AND/OR

☐ for which an international patent application was filed under the Patent Cooperation Treaty on \_\_\_\_\_ (mm/dd/yyyy), bearing Application No. \_\_\_\_\_ (hereinafter "said application").

AND, WHEREAS, CARNEGIE MELLON UNIVERSITY, a University, having a place of business at 5000 Forbes Avenue, Pittsburgh, PA 15213, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged; I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me,

DOMESTIC  
Application No. 13/152,450

Attorney Docket No. 6526-111977

testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

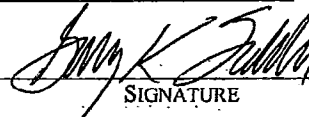
1. FULL NAME OF ASSIGNOR:

Gary Fedder

RESIDENCE:

Turtle Creek, PA

EXECUTED this 25 day of July, 2011

  
SIGNATURE

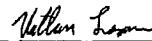
2. FULL NAME OF ASSIGNOR:

Nathan Lazarus

RESIDENCE:

Pittsburgh, PA

EXECUTED this 21 day of July, 2011



SIGNATURE