

Form PTO-1595 (Rev. 03-09)
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U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

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)

Charles Gray

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

2. Name and address of receiving party(ies)

Name: The United States of America, as represented by the Administrator of the U.S. Environmental Protection Agency
Internal Address: U.S. Environmental Protection Agency
Office of General Counsel, Patent Counsel, Mail Code 2377A

Street Address: 1200 Pennsylvania Ave., N.W.

City: Washington

State: D.C.

Country: US Zip: 20460

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

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

Execution Date(s) April 30, 2009

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

12/387,369

Additional numbers attached? Yes No

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

Name: David Read

Internal Address: US EPA, NVFEL

Street Address: 2565 Plymouth Rd.

City: Ann Arbor

State: MI Zip: 48105

Phone Number: 734-214-4367

Fax Number: 734-214-4573

Email Address: read.david@epa.gov

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40

- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 051128

Authorized User Name David Read

9. Signature:

David Read
Signature

May 20, 2009
Date

David Read

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

CH \$40.00 051128 12387369

ASSIGNMENT

WHEREAS, I, **Charles Gray**, residing in Michigan and being an employee of the United States of America (hereinafter referred to as the Government), U.S. Environmental Protection Agency, have invented new and useful improvements entitled **Quasi Free Piston Engine**, EPA Case No. 749 (hereafter referred to as the Invention) for which a patent application in the United States Patent and Trademark Office for Letters Patent of the United States of America was filed on May 1, 2009, Serial No. 12/387,369.

WHEREAS, the conditions under which the Invention was made, namely (i) that the Invention is directly related to the duties of my Government employment which I had at the time I made the Invention, and (ii) Government funds and facilities were used to make the Invention, are such as to entitle the Government, pursuant to the provisions of Executive Order 10096, January 28, 1950, as amended by Executive Order 10930, March 24, 1961, and applicable regulations, including 37 CFR Part 501, to the entire right, title and interest in and to the Invention, including foreign rights; and

WHEREAS, the Government, as represented by the Administrator of the U.S. Environmental Protection Agency, is desirous of acquiring the entire right, title and interest in said Invention, throughout the world, and all of my interests in said EPA Case No. 749, patent application Serial No. 12/387,369, and in any and all Letters Patent of the United States that may issue thereon or claim priority thereto;

NOW THEREFORE, in consideration of these premises, including my employment by the said Government, I, Charles Gray, do hereby sell, assign, and transfer unto The United States of America, as represented by the Administrator of the U.S. Environmental Protection Agency, my entire right, title, and interest throughout the world in and to said Application Serial No. 12/387,369 (EPA Case No. 749) and in and to the Invention as described and/or claimed in said Application, and in and to any Letters Patent that may issue on or claim priority to said Application, or on any application that is a continuation, division, reissue, substitution, or extension thereof.

I, Charles Gray, do hereby agree that the Government will, upon its request, be provided promptly with all pertinent facts and documents relating to said Application, said Invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me, that I will testify as to the same in any interference or litigation related thereto, and that I will promptly execute and deliver to the Government or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said Application, said Invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purpose thereof, provided, that all proper expenses arising through extending such assistance will be paid by the Government if I am not employed by the Government at the time the assistance is extended.

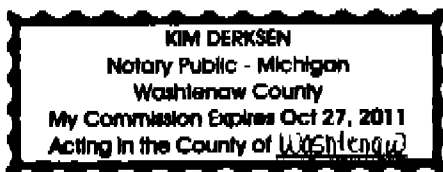
I, Charles Gray, further hereby warrant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

Executed this 30 day of April, 2009.

Signature: *Charles Gray*
Inventor (Charles Gray)

County of Washtenaw

Before me personally appeared said Charles Gray and acknowledged the foregoing instrument to be his free act and deed this 30 day of April, 2009.



Kim Derksen
(NOTARY PUBLIC)