

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
EFFECTIVE DATE:	04/25/2006

**CONVEYING PARTY DATA**

Name	Execution Date
Johney Boyd Green, Jr.	04/24/2006
Robert Milton Wagner	04/25/2006
Charles Stuart Daw	04/24/2006

**RECEIVING PARTY DATA**

Name:	UT-Battelle, LLC
Street Address:	One Bethel Valley Road
Internal Address:	4500N, MS-6258
City:	Oak Ridge
State/Country:	TENNESSEE
Postal Code:	37831-6258

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	11380019

**CORRESPONDENCE DATA**

Fax Number: (865)574-0381  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: (865) 574-4179  
 Email: bowmanke@ornl.gov  
 Correspondent Name: Kirk A. Wilson  
 Address Line 1: One Bethel Valley Road  
 Address Line 2: 4500N, MS-6258  
 Address Line 4: Oak Ridge, TENNESSEE 37831-6258

ATTORNEY DOCKET NUMBER:	1089.0
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**CH \$40.00 11380019**

NAME OF SUBMITTER:

Karen E. Bowman

**Total Attachments: 5**

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## ASSIGNMENT

WHEREAS, I, the below-named inventor whose residence and post office box is as stated below, have invented certain new and useful improvements in an

### COMBUSTION DIAGNOSTIC FOR ACTIVE ENGINE FEEDBACK CONTROL

(hereinafter referred to as "Subject Invention") for which an application for United States Letters Patent was executed by me on even date herewith, and

WHEREAS, UT-BATTELLE, LLC, a limited liability company of the State of Tennessee, having an office at One Bethel Valley Road, P.O. Box 2008, Oak Ridge, Tennessee 37831-6258 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the right, title, and interest of the undersigned in the Subject Invention and to any Letters Patent that may be granted therefore in the United States of America and in any and all foreign countries.

NOW, THEREFORE, in accordance with the terms of my employment agreement with ASSIGNEE and for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby assign to ASSIGNEE my entire right, title, and interest in the Subject Invention, to all rights of priority thereto pursuant to the International Convention for the Protection of Industrial Property, and in any Letters Patent on the Subject Invention that may be granted in the United States of America and in any and all foreign countries, including any and all Letters Patent that are divisions, reissues, continuations, substitutions or extensions of any Letters Patent or applications therefore on the Subject Invention.

I hereby authorize and request the Commissioner of the United States Patent and Trademark Office and the officials of any and all foreign countries to issue any and all of said Letters Patent, when granted, to the ASSIGNEE.

Further, I hereby agree to communicate to said ASSIGNEE or its representatives any facts known to me respecting said Subject Invention, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, to execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, and to make all rightful oaths and generally do everything possible to aid said ASSIGNEE and its representatives to obtain and enforce proper protection for said Subject Invention in the United States of America and in any and all foreign countries.

I further agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEE, its successors, assigns, and legal representatives, and shall be binding on me, my heirs, legal representatives, and assigns.

Full name of first inventor: Johney Boyd Green, Jr.

Inventor's Signature: Johney Boyd Green Jr. Date: 4/24/2006

Address: 518 Glen Abbey Blvd., Knoxville, Tennessee 37922

Post Office Address: 518 Glen Abbey Blvd., Knoxville, Tennessee 37922

State of Tennessee )  
County of Anderson )

On this 24<sup>th</sup> day of April, 2006, before me, a Notary Public in and for the County and State aforesaid, appeared Johney Boyd Green, Jr., to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.



Kirk A Wilson  
Notary Public

SEAL

My Commission Expires: **MY COMMISSION EXPIRES  
MARCH 14, 2009**

Full name of second inventor: Robert Milton Wagner

Inventor's Signature: Robert Milton Wagner

Date: 4-25-2006

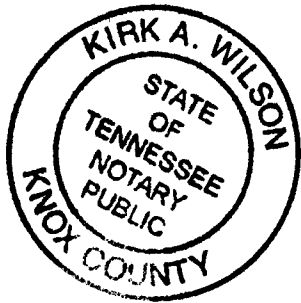
Address: 1900 Breezy Ridge Trail, Knoxville, Tennessee 37922

Post Office Address: 1900 Breezy Ridge Trail, Knoxville, Tennessee 37922

State of Tennessee )  
County of Anderson )

On this 25<sup>th</sup> day of APRIL 2006, before me, a Notary Public in and for the County and State aforesaid, appeared Robert Milton Wagner, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.



Kirk Wilson  
Notary Public

SEAL

My Commission Expires: \_\_\_\_\_ **MY COMMISSION EXPIRES  
MARCH 14, 2009**

Full name of third inventor: Charles Stuart Daw

Inventor's Signature: Charles Stuart Daw Date: 4/24/2006

Address: 1021 Crooked Springs Road, Knoxville, Tennessee 37932

Post Office Address: 1021 Crooked Springs Road, Knoxville, Tennessee 37932

State of Tennessee )  
County of Anderson )

On this 24<sup>th</sup> day of April, 2006, before me, a Notary Public in and for the County and State aforesaid, appeared Charles Stuart Daw, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.



Kirk A Wilson  
Notary Public

SEAL

My Commission Expires: \_\_\_\_\_

**MY COMMISSION EXPIRES  
MARCH 14, 2009**