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U.S. DEPARTMENT OF COMMERCE
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RE

04-09-2009



To the Director of the U.S. Patent and Trademark Office

or the new address(es) below.

103555639

1. Name of conveying party(ies)

James M. Royston
John A. Samudovsky

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

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

Execution Date(s) March 20, 2009

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

Name and address of receiving party(ies)

Name: ENERGY CONTROL SYSTEMS, INC.

Internal Address: _____

Street Address: 100 Hafner Avenue

City: Pittsburgh

State: Pennsylvania

Country: USA Zip: 15223

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

4. Application or patent number(s):

A. Patent Application No.(s)

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

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Thomas R. Shaffer

Internal Address: P O Box 509

Street Address: 5 East Third Street

City: Coudersport

State: PA Zip: 16915

Phone Number: 814-274-7292

Fax Number: 814-274-0855

Email Address: N/A

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

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

8. Payment Information

Deposit Account Number _____

Authorized User Name _____

9. Signature:

Thomas R. Shaffer
Signature

3/25/2009
Date

Thomas R. Shaffer
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

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PATENT
REEL: 022495 FRAME: 0744

ASSIGNMENT

WHEREAS, we, James M. Royston, residing at 105 Catalpa Ridge Road, Pittsburgh, PA 15238; and John A. Samudovsky, residing at 116 Valleyvue Drive, Elizabeth, PA 15037 (hereinafter collectively referred to as the "Assignors") have invented certain useful improvements in a "Vented Gas Riser Apparatus";

WHEREAS, an application for a United States patent has been prepared for our invention and we have on the date of our signatures hereto simultaneously executed a declaration for such patent application;

WHEREAS, the Assignors are willing to assign their entire right, title and interest in and to said invention and improvements and patent applications as well as any continuations, continuations in part, divisions or other related applications to Energy Control Systems, Inc.;

AND WHEREAS, Energy Control Systems, Inc., a Pennsylvania corporation, having a place of business at 100 Hafner Avenue, Pittsburgh, PA 15223, (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in and to said Patents and the inventions and improvements therein disclosed;

NOW, THEREFORE, in consideration of One (\$1.00) Dollar and other good and valuable consideration paid to each of us by said Assignee, receipt of which we each hereby acknowledge, we, with the intent to be legally bound, do each hereby assign, sell, transfer, and set over unto said Assignee the entire right, title, and interest in and to said Patents and the inventions and improvements therein disclosed, said Assignee to have and hold the interests herein assigned to the full ends of the terms of said Letters Patents as fully and entirely as the same would have been enjoyed by us had this assignment not been made.

We covenant that we are the lawful owners of the said Patents, 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 we have the full right to make this assignment.

And for the consideration aforesaid, we each agree that we 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 us, testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignee or counsel for said assignee, to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This instrument shall be binding upon our heirs, executors, administrators, and assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and assigns, as the case may be, of said Assignee.

IN WITNESS WHEREOF, we have set our hands and seals to this Assignment on the dates indicated below.

DATE: 03-20, 2009. James M. Royston (SEAL)
James M. Royston

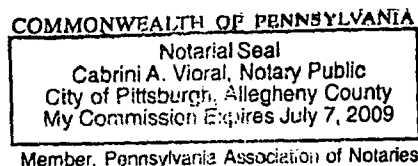
DATE: 03-20, 2009. John A. Samudovsky (SEAL)
John A. Samudovsky

State of Pennsylvania
County of ALLEGHENY

On this, the 20 day of MARCH, 2009, before me a Notary Public, the undersigned officer, personally appeared James M. Royston, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purpose therein contained.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal.

Cabrini A. Vioral
Notary Public
My Commission Expires: 7/7/09



State of Pennsylvania
County of ALLEGHENY

On this, the 20 day of MARCH, 2009, before me a Notary Public, the undersigned officer, personally appeared John A. Samudovsky, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purpose therein contained.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal.

Cabrini A. Vioral
Notary Public
My Commission Expires: 7/7/09

