



To the Director of the U.S. Patent and

documents or the new address(es) below.

Address of receiving party(ies)

4-28-06

1. Name of conveying party(ies):

103231111

Milan Ilic, Robert B. Huff, and George W. McDonough

Name: Advanced Energy Industries Inc.

Street Address: 1625 Sharp Point Drive

City: Fort Collins

State: CO

Zip: 80525

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

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

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

Execution Date(s): 4/24/06; 4/24/06; and 4/13/06, respectively

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



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

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Cooley Godward LLP
 Attention: Patent Group
 Street Address: One Freedom Square, Reston Town Center, 11951 Freedom Drive
 City: Reston
 State: VA
 Zip: 20190-5656

6. Total number of applications and patents involved: [01]

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 50-1283

The Commissioner is hereby authorized to charge any appropriate fees under 37 CFR 3.41 that may be required by this paper, and to credit any overpayment, to Deposit Account No 50-1283. This paper is submitted in duplicate.

DO NOT USE THIS SPACE

9. Signature: *Thomas M. Croft*
Name of Person Signing: **Thomas M. Croft, Reg. No. 44,051**

Date: *April 28, 2006*

Total number of pages including cover sheet, attachments, and documents: [6]

Documents to be recorded (with cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450

Express Mail Label Number: EV778911321US Date of Deposit: April 28, 2006

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail in an envelope addressed to Mail Stop Assignment Recordation Services, Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

By: *Sherry Duncan Bitler*
Sherry Duncan Bitler

**ASSIGNMENT
(Joint)**

WHEREAS, we, **Milan Ilic**, residing at 3229 Sagewater Court, Fort Collins, CO 80528; **Robert B. Huff**, residing at 4524 Skyline Drive, Fort Collins, CO 80526; and **George W. McDonough**, residing at 2988 Kiowa Drive, Loveland, CO 80538 (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent of the United States, entitled **METHOD AND SYSTEM FOR CONDITIONING A VAPOR DEPOSITION TARGET**, and which is a:

- (1) provisional application
- (a) to be filed herewith; or
- (b) bearing Application No. , and filed on ; or
- (2) non-provisional application
- (a) to be filed herewith; or
- (b) bearing Application No. , and filed on .

WHEREAS, **Advanced Energy Industries, Inc.**, a corporation duly organized under and pursuant to the laws of Delaware, and having its principal place of business at 1625 Sharp Point Drive, Fort Collins, CO 80525 (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application for patent identified in paragraph (1) or (2); the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to these application(s); any provisional or other right to recover damages, including royalties, for prior infringements of these applications; and any patent(s) of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

(a) the Invention(s);

(b) the application for patent identified in paragraph (1) or (2);

(c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Paris Convention for the Protection of Industrial Property and under the Patent Cooperation Treaty;

(d) any application(s) for patent of the United States or other countries claiming the Invention(s);

(e) any application(s) for patent of the United States or other countries claiming priority to the application for patent identified in paragraph (1) or (2) or any application(s) for patent claiming the Invention(s), including any division(s), continuation(s), and continuation(s)-in-part; and

(f) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (b)-(e); and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b) – (e), including any reissue(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in

Date: April 24, 2006

By: Robert B. Huff
Robert B. Huff

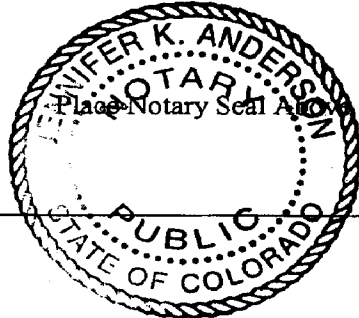
State of California)
County of Colorado)^{ss.}

On April, 24, 2006, before me, Jennifer Anderson, personally appeared **Robert B. Huff**, personally known to me or proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Jennifer Anderson
Signature of Notary Public

My Commission Expires: 9/23/09



My Commission Expires 09/23/2009

Date: April 13, 2006

By: George W. McDonough
George W. McDonough

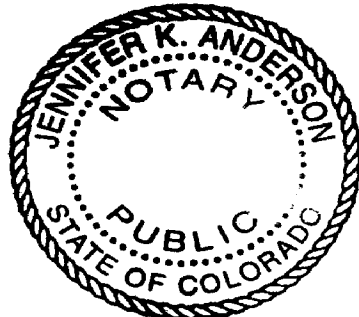
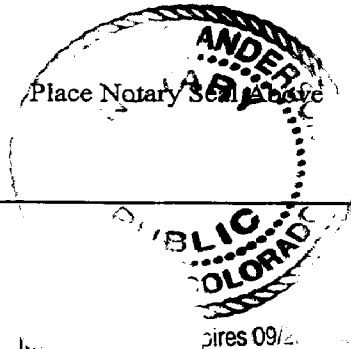
State of Colorado)
County of LaRimer)
SS.

On April 13, 2006, before me, Jennifer Anderson, personally appeared **George W. McDonough**, personally known to me or proved to me on the basis of satisfactory evidence, to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Jennifer Anderson
Signature of Notary Public

My Commission Expires: 9/23/2009



My Commission Expires 09/23/2009