

PATENT ASSIGNMENT

Electronic Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Babcock & Wilcox Power Generation Group, Inc. | 09/11/2008 |
| RECEIVING PARTY DATA | |
| Name: | ENERGY & ENVIRONMENTAL RESEARCH CENTER FOUNDATION |
| Street Address: | 15 N. 23rd Street |
| Internal Address: | Stop 9018 |
| City: | Grand Forks |
| State/Country: | NORTH DAKOTA |
| Postal Code: | 58202-9018 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 11220810 |
| CORRESPONDENCE DATA | |
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| ATTORNEY DOCKET NUMBER: | 2380-01602 |
| NAME OF SUBMITTER: | Timothy S. Westby |
| Total Attachments: 1 source=AssignfromBabcock#page1.tif | |

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EXHIBIT A

PATENT ASSIGNMENT

WHEREAS, Babcock & Wilcox Power Generation Group, Inc. (f/k/a The Babcock & Wilcox Company, (the "Assignor"), a corporation organized and existing under the laws of the State of Delaware, U.S.A., and having an office at 20 S. Van Buren Avenue, Barberton, Ohio 44203, is a joint owner, by assignment recorded in the U.S. Patent and Trademark Office on Reel 020641, Frame 0204, of world-wide right, title and interest in, to and under United States Patent Application No. 11/220,810, filed September 7, 2005; and

WHEREAS, the EERC Foundation, a nonprofit foundation incorporated under the laws of North Dakota ("EERC Foundation"), 15 North 23rd Street, PO Box 9017, Grand Forks, ND 58202-9017 (the "Assignee"), desires to acquire all of the Assignor's world-wide right, title, and interest in, to, and under United States Patent Application No. 11/220,810.

NOW, THEREFORE, be it known that for valuable consideration, the receipt of which is hereby acknowledged, Assignor hereby assigns, transfers, and conveys unto the Assignee, its successors, and assigns, or their legal representatives, all of the Assignor's world-wide right, title, and interest in, to, and under United States Patent Application No. 11/220,810, the same to be held and enjoyed by the Assignee, for its own use and benefit, and for the use and benefit of its successors and assigns or their legal representatives, to the end of the term or terms of which said Letters Patents are granted or reissued, as fully and entirely as the same would have been held and enjoyed by the Assignor if this Assignment had not been made.

The Assignor agrees to execute all papers and to perform such other proper acts as said Assignee may reasonably deem necessary to secure to said Assignee or to its designee the rights herein assigned.

IN WITNESS WHEREOF, Assignor has caused this instrument to be signed by its duly authorized representative and attested this 11th day of SEPTEMBER, 2008.

**Babcock & Wilcox Power Generation
Group, Inc.**

(CORPORATE SEAL)

By: Walter D. Gingo
Name: Walter D. Gingo
Title: VP Env. Products + Services

ATTEST:

Michael J. Gingo
Name: _____
Title: MICHAEL J. GINGO, Attorney At Law