

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:

CORRECTIVE ASSIGNMENT

NATURE OF CONVEYANCE:

Corrective Assignment to correct the Execution Date previously recorded on Reel 020637 Frame 0661. Assignor(s) hereby confirms the Assignment.

CONVEYING PARTY DATA

Name	Execution Date
Michael J Holmes	08/30/2005
John H Pavlish	08/30/2005
Edwin S Olson	08/30/2005
Ye Zhuang	08/30/2005

RECEIVING PARTY DATA

Name:	The Babcock & Wilcox Company
Street Address:	20 South Van Buren Avenue
City:	Barberton
State/Country:	OHIO
Postal Code:	44203

Name:	Energy & Environmental Research Center
Street Address:	15 North 23rd Street
City:	Grand Forks
State/Country:	NORTH DAKOTA
Postal Code:	58202

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11220810

CORRESPONDENCE DATA

Fax Number: (330)860-6609

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 3308606710

Email: amsaus@babcock.com

Correspondent Name: Amy Saus

PATENT

500485857

REEL: 020641 FRAME: 0204

CH \$40.00 11220810

Address Line 1:	20 South Van Buren Avenue
Address Line 2:	IP Dept (BVCB2K)
Address Line 4:	Barberton, OHIO 44203

ATTORNEY DOCKET NUMBER:	7135 CORRECT ASSIGN 1
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NAME OF SUBMITTER:	Amy M Saus
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Total Attachments: 5

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**ASSIGNMENT TO THE BABCOCK & WILCOX COMPANY AND THE
ENERGY & ENVIRONMENTAL RESEARCH CENTER FOUNDATION**

CASE 7135

THIS ASSIGNMENT made the 30th day of August, 2005, by Michael J. Holmes, residing at 614 6th Avenue Northeast, Thompson, ND 58278; and by John H. Pavlish, residing at 42204 210th Street Southwest, East Grand Forks, MN 56721; and by Edwin S. Olson, residing at 223 Circle Hills Drive, Grand Forks, ND 58201, all citizens of the United States of America; and by Ye Zhuang, residing at 5596 Cypress Point Drive, Grand Forks, ND 58201, a citizen of The People's Republic of China.

WITNESSETH: That

WHEREAS, we are the joint inventors of a certain new and useful improvement and invention in

HIGH ENERGY HALOGEN DISSOCIATION FOR MERCURY CONTROL SYSTEMS

for which we have prepared and executed an application for Letters Patent of the United States on the 27th day of July, 2005; and

WHEREAS, THE BABCOCK & WILCOX COMPANY, a Corporation organized under the laws of the state of Delaware, U.S.A., and having its principal office at New Orleans, Louisiana, U.S.A., is desirous of acquiring the joint right, title, and interest in and to said improvement and invention, and any and all Letters Patent which shall be granted therefor;

AND WHEREAS, THE UNIVERSITY OF NORTH DAKOTA ENERGY & ENVIRONMENTAL RESEARCH CENTER FOUNDATION (EERC FOUNDATION), a nonprofit foundation, with offices at Grand Forks, North Dakota, is desirous of acquiring the joint right, title, and interest in and to said improvement and invention, and any and all Letters Patent which shall be granted therefor;

NOW, THEREFORE, To All Whom It May Concern, be it known that for and in consideration of the sum of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, we, Michael J. Holmes, John H. Pavlish, Edwin S. Olsen, and Ye Zhuang have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said THE BABCOCK & WILCOX COMPANY and EERC FOUNDATION, its successors and assigns, the entire right, title, and interest in and to the above-mentioned improvement, invention, and application for Letters Patent therefor, and in and to any and all Letters Patent of the United States which may be hereinafter be granted therefor, and in and to any and all extensions, divisions, or reissues of said Letters Patent, the same to be held and enjoyed by said THE BABCOCK

**ASSIGNMENT TO THE BABCOCK & WILCOX COMPANY AND THE
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CASE 7135

& WILCOX COMPANY and EERC FOUNDATION, for its own use and behoof, and the use and behoof of its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made;

AND, for the consideration aforesaid, we hereby covenant and agree with said THE BABCOCK & WILCOX COMPANY and EERC FOUNDATION, its successors and assigns, that at the time of the execution and delivery of these presents, we are the joint and lawful owners of the entire right, title, and interest in and to the above-mentioned improvement, invention, application, and Letters Patent above mentioned, and that the same are unencumbered, and that we have good right and lawful authority to sell and convey the same in the manner herein set forth;

AND, for the consideration aforesaid, we hereby covenant and agree with said THE BABCOCK & WILCOX COMPANY and EERC FOUNDATION, its successors and assigns, that we will, whenever its counsel or the counsel of its successors or assigns, learned in the law, shall advise that an amendment or division or any other proceeding in connection with said application, including interference proceedings, is lawful and desirable or that a reissue or extension of said Letters Patent is lawful and desirable, sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said improvement and invention, or for the reissue or extension of same, without charge to said THE BABCOCK & WILCOX COMPANY and EERC FOUNDATION, or its successors or assigns, but at its or their expense.

We hereby request the Honorable Commissioner of Patents and Trademarks of the United States to issue the Letters Patent in accordance with this instrument.

AND, for the consideration aforesaid, we have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said THE BABCOCK & WILCOX COMPANY and EERC FOUNDATION, its successors, assigns, or nominees, the entire right, title, and interest in and to any and all Letters Patent or other form of protection which may be granted in countries foreign to the United States, and in and to any and all applications for Letters Patent or other form of protection which may be filed for said improvement and invention in countries foreign to the United States, and in and to the invention described in said applications; and we hereby authorize and empower said THE BABCOCK & WILCOX COMPANY and EERC FOUNDATION, its successors, assigns, or nominees, to apply for Letters Patent, or other form of protection, on said improvement and

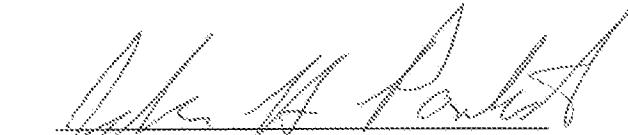
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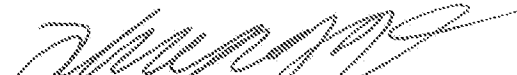
invention, in its own name or in the name of its successors, assigns, or nominees, in any and all countries where it may desire to file such applications and where such applications may be filed by another other than the inventors; and we hereby covenant and agree to sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent, or other form of protection, for said improvement and invention in countries foreign to the United States, and for further investing or confirming the right and title thereto in said THE BABCOCK & WILCOX COMPANY and EERC FOUNDATION, its successors, assigns, or nominees, without charge to said THE BABCOCK & WILCOX COMPANY and EERC FOUNDATION, its successors, assigns, or nominees, but at its or their expense.

IN WITNESS WHEREOF, we have hereunto set our hands and seal on the day and year first above written.

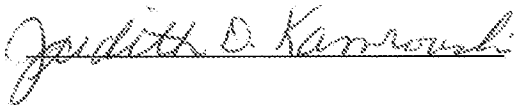

MICHAEL J. HOLMES


JOHN H. PAVLISH


EDWIN S. OLSON


YE ZHUANG

WITNESSES:

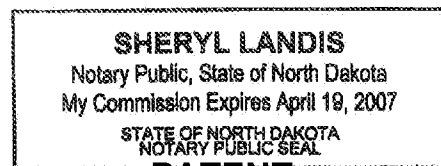


STATE OF ND)
COUNTY OF Grand Forks) ss.

On this, the 30th day of August, 2005, before me personally Michael J. Holmes, John Pavlish, Edwin Olson, and Ye Zhuang to me known and known to me to be the persons described in and who executed the foregoing instrument; and they acknowledged to me that they executed the same for the purpose therein stated.

SEAL





PATENT

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Execution Date previously recorded on Reel 020635 Frame 0805. Assignor(s) hereby confirms the Assignment.										
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PATENT

Phone: 330-860-6710
Email: amsaus@babcock.com
Correspondent Name: Amy Saus
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Address Line 2: IP Dept (BVCB2K)
Address Line 4: Barberton, OHIO 44203

ATTORNEY DOCKET NUMBER:	7135-CORRECT ASSIGN
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NAME OF SUBMITTER:	Amy M. Saus
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Signature:	/amsaus/
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Date:	03/12/2008
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Total Attachments: 5

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RECEIPT INFORMATION

EPAS ID: PAT497313
Receipt Date: 03/12/2008
Fee Amount: \$40

PATENT**RECORDED: 03/12/2008****REEL: 020641 FRAME: 0210**