

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Richard A. Wessel</td> <td>09/04/2007</td> </tr> <tr> <td>David L. Kraft</td> <td>09/04/2007</td> </tr> <tr> <td>Steven R. Fry</td> <td>09/04/2007</td> </tr> </tbody> </table>		Name	Execution Date	Richard A. Wessel	09/04/2007	David L. Kraft	09/04/2007	Steven R. Fry	09/04/2007
Name	Execution Date								
Richard A. Wessel	09/04/2007								
David L. Kraft	09/04/2007								
Steven R. Fry	09/04/2007								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	The Babcock & Wilcox Company								
<b>Street Address:</b>	1450 Poydras Street								
<b>City:</b>	New Orleans								
<b>State/Country:</b>	LOUISIANA								
<b>Postal Code:</b>	70112								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11839285</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11839285				
Property Type	Number								
Application Number:	11839285								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(330)860-6609								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
<b>Phone:</b>	330-860-6605								
<b>Email:</b>	cmahoney@babcock.com								
<b>Correspondent Name:</b>	Carolyn Mahoney								
<b>Address Line 1:</b>	20 S. Van Buren Avenue								
<b>Address Line 2:</b>	Patent Dept								
<b>Address Line 4:</b>	Barberton, OHIO 44203								
<b>ATTORNEY DOCKET NUMBER:</b>	7191								
<b>NAME OF SUBMITTER:</b>	Eric Marich								

Total Attachments: 3  
 source=assignment#page1.tif

**500350850**

**PATENT  
 REEL: 019803 FRAME: 0607**

**CH \$40.00 11839285**

source=assignment#page2.tif  
source=assignment#page3.tif

**ASSIGNMENT TO THE BABCOCK & WILCOX COMPANY**

**CASES 7191-P and 7191**

THIS ASSIGNMENT made the 4<sup>th</sup> day of Sept., 2007, by RICHARD A. WESSEL, residing at 6269 Drexel Avenue, NW, Massillon, Ohio 44646; by DAVID L. KRAFT, residing at 5882 Great Court Circle NW, Massillon, Ohio 44646; and by STEVEN R. FRY, residing at 9796 Summerset Avenue, Uniontown, OH 44685, all citizens of the United States of America;

WITNESSETH: That

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

**COMPACT RADIAL PLATEN ARRANGEMENT  
FOR RADIANT SYNGAS COOLER**

for which we have prepared and filed a United States Provisional Application for Patent on August 15, 2006 having U.S. Appl. Serial No. 60/837,773, and for which we have prepared and executed an application for Letters Patent of the United States on the 4<sup>th</sup> day of Sept., 2007, 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 entire right, title, and interest in and to said improvement and invention, the United States Provisional Application for Patent, 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) to us in hand paid, and other good and valuable considerations, the receipt of which is hereby acknowledged, we, RICHARD A. WESSEL, DAVID L. KRAFT and STEVEN R. FRY, have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said THE BABCOCK & WILCOX COMPANY, its successors and assigns, the entire right, title, and interest in and to the above-mentioned improvement, invention, United States Provisional Application for Patent, 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 & WILCOX COMPANY, for its own use and behoof, and the use and behoof of its

## ASSIGNMENT TO THE BABCOCK & WILCOX COMPANY

CASES 7191-P and 7191

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, 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, United States Provisional Application for Patent, and application for 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, 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, 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, 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, its successors, assigns, or nominees, to apply for Letters Patent, or other form of protection, on said improvement and

ASSIGNMENT TO THE BABCOCK & WILCOX COMPANY

CASES 7191-P and 7191

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, its successors, assigns, or nominees, without charge to said THE BABCOCK & WILCOX COMPANY, 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.

Richard A Wessel  
RICHARD A. WESSEL

David L Kraft  
DAVID L. KRAFT

Steven R Fry  
STEVEN R. FRY

WITNESSES:

Linda Blythe

Carolyn Mahoney

STATE OF Ohio )

COUNTY OF Summit ) ss.

On this, the 4<sup>th</sup> day of Sept., 2007, before me personally appeared RICHARD A. WESSEL, DAVID L. KRAFT and STEVEN R. FRY 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.

Linda Blythe

SEAL