PECORDAT	ION FORM COVER SHEET U.S DEPARTMENT OF COMMERCE			
, 0,11111111111111111111111111111111111	PATENTS ONLY Patent and Trademark Office			
(Rev. 03-01) OMB NO.0661-0011 (exp. 5/31/2002)	LAIEMIO ONEI Latent and trademark onice			
To the Honorable Commissioner of Patents and Trademarks: Please	record the attached original documents or copy thereof.			
1. Name of conveying party(ies):	2. Name and address of receiving party(ies)			
Mikhail Maryamchik, Michael J. Szmania,				
David J. Walker and Donald L. Wietzke	Name: THE BABCOCK & WILCOX COMPANY			
	Internal Address:			
Additional name(s) of conveying party(ies)	<u>.</u>			
attached? ☐ Yes ⊠ No	Street Address: 1450 Poydras Street			
# N-4				
3. Nature of conveyance:	City: New Orleans State: LA ZIP: 70112			
⊠ Assignment	A 4 122			
⊠ Assignment	Additional name(s) & address(es) attached?			
☐ Security Agreement ☐ Change of	☐ Yes ⊠ No			
Name				
Other				
Odiei				
Execution Date: November 7, 2002, October 10,				
2002, October 10, 2002 and October 10, 2002				
4. Application number(s) or patent number(s):				
If this document is being filed together with a new a				
date of the application is:				
A. Patent Application No.(s) B. Patent No.).(S)			
Serial No. 10/273,917				
Case No. 7010	E N.			
Additional numbers attached? Yes	I X NO			
5. Name and address of party to whom	6. Total number of applications and			
correspondence concerning document	patents involved: 1			
should be mailed:				
	7. Total fee (37CFR 3.41) <u>\$ 160.00</u>			
Eric Marich				
The Babcock & Wilcox Company	☐ Enclosed			
Patent Department	The standard to the standard demonstra			
20 S. Van Buren Avenue	☑ Authorized to be charged to deposit			
Barberton, Ohio 44203	account			
	8. Deposit account number:			
	50-1813			
	(Attach duplicate copy of this page if paying by deposit			
	account)			
DO NOT USE THIS SPACE				
9. Statement and signature.				
To the best of my knowledge and belief, the foregoing information is true and correct and				
any attached copy is a true copy of the original doci				
, , , , , , , , , , , , , , , , , , , ,				
Eric Marich, Reg. No. 32,265 Name of Person Signing Signature Date				
Name of Person Signing Signature Date				
= =	Total number of pages including cover sheet, attachments, and document: /务			

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

THIS ASSIGNMENT made the 104kday of October, 2002, by MIKHAIL MARYAMCIK, residing at 2807 Summit Road, Copley, Ohio 44321; by MICHAEL J. SZMANIA, residing at 1036 E. Smith, Medina, Ohio 44256; by DAVID J. WALKER, residing at 185 Dawna Drive, Wadsworth, Ohio 44281; and by Donald L. Wietzke, residing at 7832 Quebrada Circle, Carlsbad, California 92009; 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

FLOORED IMPACT-TYPE SOLIDS SEPARATOR USING DOWNWARD EXPANDING SEPARATOR ELEMENTS

for which we have prepared and executed an application for Letters Patent of the United States on the 10th day of Detoker, 2002, 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, 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, MIKHAIL MARYAMCHIK, MICHAEL J. SZMANIA, DAVID J. WALKER and DONALD L. WIETZKE 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 abovementioned 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 & WILCOX COMPANY, 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, 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, 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 invention, in its own name or in the name of its successors, assigns, or nominees, in any and all

Page 2 of 3

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.

MIKHAIL MARYAMCHIK	eun_	MICHAEL J. SZMANIA
DAVID J. WALKER		DONALD L. WIETZKE
WITNESSES: Carolyn Ma		What J. Lings
STATE OF Otho COUNTY OF SUMIT	_) _)	
COUNTY OF SUMMIT		
On this, the 10 da MIKHAIL MARYAMCHIK,	ay of <u>///////////////////////////////////</u>	, 20 <u>42</u> , before me personally appeared MANIA, DAVID J. WALKER and DONALD L. to be the persons described in and who sy acknowledged to me that they executed

SEAL

MICHAEL J. GINGO, Attorney At Law Notary Public, State of Ohio My Commission has no Expiration date

Under Section 147,03 R.C.

THIS ASSIGNMENT made the 7th day of November, 2002, by MIKHAIL MARYAMCIK, residing at 2807 Summit Road, Copley, Ohio 44321; by MICHAEL J. SZMANIA, residing at 1036 E. Smith, Medina, Ohio 44256; by DAVID J. WALKER, residing at 185 Dawna Drive, Wadsworth, Ohio 44281; and by Donald L. Wietzke, residing at 7832 Quebrada Circle, Carlsbad, California 92009; 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

FLOORED IMPACT-TYPE SOLIDS SEPARATOR USING DOWNWARD EXPANDING SEPARATOR ELEMENTS

for which we have prepared and executed an application for Letters Patent of the United States on the <u>18th</u> day of <u>October, 2002</u>; 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, 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, MIKHAIL MARYAMCHIK, MICHAEL J. SZMANIA, DAVID J. WALKER and DONALD L. WIETZKE 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 abovementioned 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 & WILCOX COMPANY, 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

Page 1 of 3

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, 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, 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 invention, in its own name or in the name of its successors, assigns, or nominees, in any and all

Page 2 of 3

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.

MIKHAIL MARYAMCHIK	MICHAEL J. SZMANIA
David f. Walker DAVID J. WALKER	DONALD L. WIETZKE
WITNESSES: Caroly Mahoney	Evi Maril
STATE OF Ohro	
STATE OF Ohro) ss. COUNTY OF Summit)	

On this, the 74 day of Navion, 2002, before me personally appeared MIKHAIL MARYAMCHIK, MICHAEL J. SZMANIA, DAVID J. WALKER and BONALD L. WIETZKE 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.

Eri Merid

ERIC MARICH
ATTORNEY AT LAW
NOTARY PUBLIC - STATE OF OHIO
MY COMMISSION HAS NO EXPIRATION DATE
SECTION 147.03 R.C.

Page 3 of 3

PATENT REEL: 013856 FRAME: 0737

SEAL

THIS ASSIGNMENT made the Oth day of October, 2002, by MIKHAIL MARYAMCIK, residing at 2807 Summit Road, Copley, Ohio 44321; by MICHAEL J. SZMANIA, residing at 1036 E. Smith, Medina, Ohio 44256; by DAVID J. WALKER, residing at 185 Dawna Drive, Wadsworth, Ohio 44281; and by Donald L. Wietzke, residing at 7832 Quebrada Circle, Carlsbad, California 92009; 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

FLOORED IMPACT-TYPE SOLIDS SEPARATOR USING DOWNWARD EXPANDING SEPARATOR ELEMENTS

for which we have prepared and executed an application for Letters Patent of the United States on the /ohday of October , 2002; 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, 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, MIKHAIL MARYAMCHIK, MICHAEL J. SZMANIA, DAVID J. WALKER and DONALD L. WIETZKE 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 abovementioned 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 & WILCOX COMPANY, 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

Page 1 of 3

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, 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, 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 invention, in its own name or in the name of its successors, assigns, or nominees, in any and all

Page 2 of 3

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.

MIKHAIL MARYAMCHIK	MICHAEL J. SZMANIA
	Donald L. Wietzke
DAVID J. WALKER	DONALD L. WIETZKE
WITNESSES:	= 1,
Coralyn Mahorey	John Jongs
STATE OF <u>OH10</u>)	
STATE OF OHO) ss. COUNTY OF SIMPLE) ss. On this, the Other day of OCIOSE , MIKHAIL MARYAMCHIK, MICHAEL J. SZMAN	
On this, the 10th day of 0070BEC,	20 <u>0</u> 2, before me personally appeared
······································	··· · , ··· · · · · · · · · · · · · · · · · ·
WIETZKE to me known and known to me to executed the foregoing instrument; and they are	
the same for the purpose therein stated.	/

SEAL

MICHAEL J. GINGO, Attorney At Law Notary Public, State of Ohio My Commission has no Expiration date Under Section 147.03 R.C.

Page 3 of 3

PATENT

REEL: 013856 FRAME: 0740

THIS ASSIGNMENT made the /othday of October, 2002, by MIKHAIL MARYAMCIK, residing at 2807 Summit Road, Copley, Ohio 44321; by MICHAEL J. SZMANIA, residing at 1036 E. Smith, Medina, Ohio 44256; by DAVID J. WALKER, residing at 185 Dawna Drive, Wadsworth, Ohio 44281; and by Donald L. Wietzke, residing at 7832 Quebrada Circle, Carlsbad, California 92009; 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

FLOORED IMPACT-TYPE SOLIDS SEPARATOR USING DOWNWARD EXPANDING SEPARATOR ELEMENTS

for which we have prepared and executed an application for Letters Patent of the United States on the 109th day of October, 2002, 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, 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, MIKHAIL MARYAMCHIK, MICHAEL J. SZMANIA, DAVID J. WALKER and DONALD L. WIETZKE 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 abovementioned 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 & WILCOX COMPANY, 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

Page 1 of 3

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, 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, 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 invention, in its own name or in the name of its successors, assigns, or nominees, in any and all

Page 2 of 3

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. MIKHAIL MARYAMCHIK DONALD L. WIETZKE DAVID J. WALKER STATE OF , 20<u>0</u>2 before me personally appeared day of ACTUSEC MIKHAIL MARYAMCHIK, MICHAEL J. SZMANIA, BAVID J. WALKER and DONALD L. WIETZKE 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. MICHAEL J. GINGO. Attorney AT 1980 Notary Public, State of Ohio My Commission has no Expiration date SEAL

Page 3 of 3

Under Section 147,03 R.C.