TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM439910

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
CREDIT SUISSE AG, CAYMAN ISLANDS BRANCH		05/03/2010	COLLATERAL AGENT:

RECEIVING PARTY DATA

Name:	DIAMOND POWER INTERNATIONAL, INC.
Street Address:	2600 E. MAIN STREET
City:	LANCASTER
State/Country:	OHIO
Postal Code:	43130
Entity Type:	Corporation: DELAWARE

PROPERTY NUMBERS Total: 6

Property Type	Number	Word Mark
Registration Number:	2897116	POWERTRAIN
Registration Number:	2218648	ALLEN-SHERMAN-HOFF
Registration Number:	2601135	ASHANDLER
Registration Number:	3410329	UTILICAM
Registration Number:	3169328	CYCLOASH
Registration Number:	3589020	SENTRYSERIES

CH $165.00 2897116

CORRESPONDENCE DATA

Fax Number: 2146614874

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 214.953.6874
Email: daltmdept@bakerbotts.com
Correspondent Name: Baker Botts L.L.P. c/o Whitney Blazek
Address Line 1: 2001 Ross Avenue
Address Line 2: Suite 700
Address Line 4: Dallas, TEXAS 75201

NAME OF SUBMITTER:	Jill M. Errera
SIGNATURE:	/Jill M. Errera/
DATE SIGNED:	08/19/2017

Total Attachments: 46
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RELEASE OF SECURITY INTEREST IN INTELLECTUAL PROPERTY COLLATERAL

This RELEASE (this "Release"), dated as of May 3, 2010, is made by Credit Suisse AG, Cayman Islands Branch (formerly known as Credit Suisse, Cayman Islands Branch), as Collateral Agent (the "Collateral Agent") for the banks and other financial institutions or entities (the "Lenders"), pursuant to the termination of the Credit Agreement, dated as of February 22, 2006 by and among Babcock & Wilcox Power Generation Group, Inc. (formerly known as The Babcock & Wilcox Company), a Delaware corporation (the "Borrower"), the Lenders, the Syndication Agent party thereto, the Co-Documentation Agents party thereto and the Collateral Agent, and the other Secured Parties (as from time to time amended, restated, supplemented or otherwise modified and in effect from time to time, the "Credit Agreement"). Capitalized terms used herein but not otherwise defined herein have the meanings ascribed to them in the Credit Agreement.

W I T N E S S E T H

WHEREAS, pursuant to the Credit Agreement, the Grantors (as defined in the Pledge and Security Agreement referred to below) executed the Pledge and Security Agreement by and among the Grantors and the Collateral Agent for the Secured Parties, dated February 22, 2006, pursuant to which the Grantors granted to the Collateral Agent a security interest in all Patent Collateral, Trademark Collateral, and Copyright Collateral (each as defined below);

WHEREAS, in connection with the execution of the Pledge and Security Agreement and the grant of the security interest, each applicable Grantor executed the Intellectual Property Security Agreement, dated as of February 22, 2006, by THE BABCOCK & WILCOX COMPANY, AMERICON EQUIPMENT SERVICES, INC., AMERICON, INC., APPLIED SYNERGISTICS, INC., B&W SERVICE COMPANY, BABCOCK & WILCOX CHINA HOLDINGS, INC., BABCOCK & WILCOX CONSTRUCTION CO. INC., BABCOCK & WILCOX DENMARK HOLDINGS, INC., BABCOCK & WILCOX EBENSBURG POWER, INC., BABCOCK & WILCOX EQUITY INVESTMENTS, INC., BABCOCK & WILCOX INTERNATIONAL SALES AND SERVICE CORPORATION, BABCOCK & WILCOX INTERNATIONAL, INC., DIAMOND OPERATING CO., INC., DIAMOND POWER AUSTRALIA HOLDINGS, INC., DIAMOND POWER CHINA HOLDINGS, INC., DIAMOND POWER EQUITY INVESTMENTS, INC., DIAMOND POWER INTERNATIONAL, INC., PALM BEACH RESOURCE RECOVERY CORPORATION, POWER SYSTEMS OPERATIONS, INC., REVLOC RECLAMATION SERVICE, INC., NATIONAL ECOLOGY COMPANY, AND NORTH COUNTY RECYCLING, INC. (the "Intellectual Property Security Agreement"), which was recorded against certain United States Intellectual Property at Reel/Frame Nos. 17344/0565, 17344/0605, 3274/0783, 3274/0823, and V3540 D283, the Intellectual Property Security Agreement (First Supplemental Filing), dated as of January 10, 2007, which was recorded against certain United States Intellectual Property at Reel/Frame No. 18814/0111, the Intellectual Property Security Agreement (Second Supplemental Filing), dated as of May 2, 2007, which was recorded against certain United States Intellectual Property at Reel/Frame No. 19439/0565, the Intellectual

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Property Security Agreement (Third Supplemental Filing), dated as of April 23, 2008, which was recorded against certain United States Intellectual Property at Reel/Frame No. 20857/0001, the Intellectual Property Security Agreement (Fourth Supplemental Filing), dated as of July 16, 2008, which was recorded against certain United States Intellectual Property at Reel/Frame No. 21261/0100, the Intellectual Property Security Agreement (Fifth Supplemental Filing), dated as of January 27, 2009, which was recorded against certain United States Intellectual Property at Reel/Frame No. 22170/0260, and the Intellectual Property Security Agreement (Sixth Supplemental Filing), dated as of August 31, 2009, which was recorded against certain United States Intellectual Property at Reel/Frame No. 23184/0405; and

WHEREAS, in connection with the Borrower's satisfaction of all of its obligations under the Credit Agreement, the Pledge and Security Agreement and the Intellectual Property Security Agreement (as amended, supplemented, or otherwise modified from time to time prior to the date hereof) have been terminated.

NOW, THEREFORE, in consideration of the foregoing, the Collateral Agent hereby agrees as follows:

1. Definitions

a. "Copyright Collateral" shall mean all of each Grantor's right, title and interest in and to (i) all copyrights arising under the laws of the United States, any other country, or union of countries, or any political subdivision of any of the foregoing, whether registered or unregistered and whether published or unpublished (including those listed on Schedule I attached hereto) all registrations and recordings thereof, and all applications in connection therewith and rights corresponding thereto throughout the world, including all registrations, recordings and applications in the United States Copyright Office, and all Mask Works (as defined in 17 USC 901), (ii) the right to, and to obtain, all extensions and renewals thereof, and the right to sue for past, present and future infringements of any of the foregoing, (iii) all proceeds of the foregoing, including license, royalties, income, payments, claims, damages, and proceeds of suit and (iv) all other rights of any kind whatsoever accruing thereunder or pertaining thereto.

b. "Patent Collateral" shall mean all of each Grantor's right, title and interest in and to (i) all United States patents, patents issued by any other country, union of countries or any political subdivision of any of the foregoing, and all reissues and extensions thereof, including any of the foregoing listed on Schedule I attached hereto, (ii) all patent applications pending in the United States or any other country or union of countries or any political subdivision of any of the foregoing and all divisions, continuations and continuations-in-part thereof, including any of the foregoing listed on Schedule I attached hereto, (iii) all rights to, and to obtain, any reissues or extensions of the foregoing and (iv) all proceeds of the foregoing, including licenses, royalties, income, payments, claims, damages and proceeds of suit.

c. "Trademark Collateral" shall mean all of each Grantor's right, title and interest in and to (i) all trademarks, trade names, corporate names, company names, business names, fictitious business names, trade styles, service marks, logos, designs and other source or business identifiers, and all goodwill associated therewith, now existing or hereafter adopted or acquired, all registrations and recordings thereof, and all applications in connection therewith, whether in

the United States Patent and Trademark Office or in any similar office or agency of the United States, any State thereof or any other country, union of countries, or any political subdivision of any of the foregoing, or otherwise, and all common-law rights related thereto, including any of the foregoing listed on Schedule I attached hereto, (ii) the right to, and to obtain, all renewals thereof, (iii) the goodwill of the business symbolized by the foregoing and (iv) the right to sue for past, present and future infringements or dilution of any of the foregoing or for any injury to goodwill, and all proceeds of the foregoing, including royalties, income, payments, claims, damages and proceeds of suit.

2. Release of Security Interest

The Collateral Agent hereby releases, transfers and assigns, without recourse, unto each Grantor, all of its security interest and lien on all of such Grantor's right, title and interest in, to and under the Patent Collateral, Trademark Collateral, and the Copyright Collateral, including all of the foregoing listed on Schedule I attached hereto and incorporated herein by reference (collectively, the "Released Collateral").

3. Recordation

The Collateral Agent authorizes the recordation of this Release with the U.S. Patent and Trademark Office and the U.S. Copyright Office and any other applicable registry, the filing of Uniform Commercial Code financing statements and the filing or recording of any other document or instrument necessary to place on record the release of the Collateral Agent's lien upon and security interest in the Patent Collateral, the Trademark Collateral, and the Copyright Collateral by the Borrower or any person authorized or designated by the Borrower, and any such recordation or filing shall be deemed to have been authorized by the Collateral Agent.

4. Further Assurances

The Collateral Agent agrees to provide the Grantors with any additional authorization necessary to effect the release of its security interest in the Released Collateral.

5. Applicable Law

THIS AGREEMENT SHALL BE CONSTRUED IN ACCORDANCE WITH AND GOVERNED BY THE LAWS OF THE STATE OF NEW YORK WITHOUT REGARD TO CONFLICT OF LAWS PRINCIPLES THEREOF THAT WOULD REQUIRE APPLICATION OF LAWS OF ANOTHER STATE.

IN WITNESS WHEREOF, the Collateral Agent has executed this Release as of the date first set forth above.

Credit Suisse AG, Cayman Islands Branch,
as Collateral Agent

By: _____
Name: JUDITH E. SMITH
Title: MANAGING DIRECTOR

By: _____
Name: ILYA IVASHKOV
Title: ASSOCIATE

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SCHEDULE I

U.S. TRADEMARKS AND TRADEMARK APPLICATIONS

BABCOCK & WILCOX POWER GENERATION GROUP, INC. (FORMERLY KNOWN AS THE BABCOCK & WILCOX COMPANY)

Mark	Application No. Filing Date	Registration No. Registration Date
B&W & HERO ENGINE DESIGN	491800 11/19/45	422229 07/09/46
B&W & HERO ENGINE DESIGN	71/470169 05/12/44	415177 07/31/45
B&W & HERO ENGINE DESIGN	470170 05/12/44	419052 02/05/46
B&W	75/747600 06/30/99	2350120 05/16/00
B&W	71/470553 05/24/44	415862 08/21/45
B&W	828 04/08/05	44904 07/25/05
B&W	73/782064 02/21/89	1570257 12/05/89
B&W	73/782065 02/21/89	1573977 12/26/89
BABCOCK & WILCOX	73/782044 02/21/89	1572421 12/19/89
BABCOCK & WILCOX	829 04/08/05	44905 07/25/05
BABCOCK & WILCOX	223957 07/22/65	803088 02/01/66
BABCOCK & WILCOX	73/782055 02/21/89	1571386 12/12/89
BABCOCK & WILCOX	47269 08/18/1894	25550 11/20/1894
STIRLING	71/029843 09/10/07	89810 01/14/13
ELVERITE	76/447851 09/09/02	2741528 07/29/03
UP	50671 08/30/58	680446 06/16/79
RACER	72/267795 03/29/67	855089 08/20/68
VAM	73/737264 06/30/88	1564170 11/07/89

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Mark	Application No. Filing Date	Registration No. Registration Date
VAM	73/409839 01/17/83	1299266 10/09/84
CERA-VAM	124913 05/02/77	1114911 03/13/79
V P A S	395364 09/30/82	1291929 08/28/84
ASSURED STOCK PROGRAM	624366 10/03/86	1443711 06/16/87
ASSURED STOCK PROGRAM	74/418432 06/26/93	1846943 07/26/94
NOTIS	73/715221 03/07/88	1543964 06/13/89
FHYNES	73/722634 04/15/88	1518309 12/27/88
HONE & GLOW	73/723107 04/18/88	1516861 12/13/88
THE ACOUSTIC RANGER	73/807043 06/16/89	1585164 02/27/90
TOWERPAK	74/086326 08/09/90	1652309 07/30/91
DRB-XCL	74/239934 01/24/92	1741145 12/22/92
BABCOCK & WILCOX M BULLSEYE LOGO	74/499978 03/14/94	1900543 06/20/95
BABCOCK & WILCOX M BULLSEYE LOGO	74/501629 03/18/94	1900934 06/20/95
BABCOCK & WILCOX M BULLSEYE LOGO	74/499800 03/14/94	1903181 07/04/95
BABCOCK & WILCOX M BULLSEYE LOGO	74/499799 03/14/94	1901922 06/27/95
PARTS PLUS	74/485889 02/02/94	1951818 01/23/96
BLACK LIQUOR CLUB LOGO	76/382991 03/18/02	2728787 06/24/03
BLACK LIQUOR CLUB LOGO	74/484952 01/31/94	1939207 12/05/95
BLACK LIQUOR CLUB	76/383313 03/15/02	2728790 06/24/03
BLACK LIQUOR CLUB	74/492512 02/22/94	1942067 12/19/95
BABCOCK & WILCOX SERVICE SPECIALISTS	74/591047 10/27/94	1948476 01/16/96
WEARESISTOR	74/611124	2169816

Mark	Application No. Filing Date	Registration No. Registration Date
	12/14/94	06/30/98
ASP	74/649783 03/21/95	2079738 07/15/97
FST-GAGE	74/731453 09/14/95	2265208 07/27/99
FST-GAGE	75/295372 05/20/97	2162018 06/02/98
POWERING THE WORLD THROUGH TEAMWORK AND INNOVATION	75/033388 12/04/95	2169945 06/30/98
XCL-S	75/175105 09/05/96	2175559 07/21/98
DRB-4Z	75/545775 09/01/98	2446782 04/24/01
MILLCARE	76/360419 01/17/02	2736043 07/15/03
DSVS	75/506297 06/22/98	2393999 10/10/00
LM2100	76/158574 11/03/00	2490831 09/18/01
GENCLAD	78/233356 04/03/03	2817469 02/24/04
GENCLAD	78/233339 04/03/03	2889004 09/28/04
GENCLAD	78/233349 04/03/03	2886366 09/21/04
B&W ROLL WHEEL	78/440113 06/23/04	
B&W ROLL WHEEL	78/440098 06/23/04	
B&W ROLL WHEEL	78/440093 06/23/04	
TRUFLUX	78/247391 05/08/03	2830175 04/06/04
PRECISIONJET	78/470266 08/19/04	
PRECISIONJET	78/470198 08/19/04	
PRECISIONJET	78/470249 08/19/04	3013278 11/08/05
ON-TRACK	78/440077 06/23/04	
ON-TRACK	78/440088 06/23/04	

Mark	Application No. Filing Date	Registration No. Registration Date
MYB&W	78/433112 06/10/04	
SWUP	78/439470 06/22/04	
VTUP	78/439461 06/22/04	

DIAMOND POWER INTERNATIONAL, INC.

Mark	Application No. Filing Date	Registration No. Registration Date
DIALOY	227445 02/18/26	214540 06/29/26
DIAMOND	71/304190 08/04/30	279300 01/13/31
DIAMOND	96578 07/15/16	113950 11/14/16
DIAMOND POWER	72/139604 03/12/62	746554 03/12/63
DIAMOND POWER	72/139605 03/12/62	755020 08/20/63
DP (Stylized Design)	72/139733 03/13/62	741246 11/27/62
DP (Stylized Design)	72/139732 02/13/62	741270 11/27/62
ISIT & Design	561407 10/03/85	1393780 05/20/86
RODDING ROBOT	644706 02/13/87	1458015 09/22/87
THERMO-PROBE	115223 03/09/61	723589 11/07/61
PARTNERSHIP STOCKING PROGRAM	74/062676 05/25/90	1720593 09/29/92
CLEANING ADVISOR	74/318100 09/28/92	1895927 05/30/95
BOS	74/274290 05/11/92	1745641 01/12/93
GASTEMP & Design	74/415759 07/23/93	1873659 01/17/95
IK 600	74/454135 11/04/93	1977079 05/28/96
ABC	74/595667 10/31/94	2004998 10/01/96

Mark	Application No. Filing Date	Registration No. Registration Date
DIAMONIZED	75/652227 02/26/99	2448661 05/08/01
DIAMONIZED	78/570907 02/18/05	Pending
ONE WAY	75/422315 01/19/98	2290894 11/09/99
SELECTIVE PATTERN	74/606762 12/05/94	2044399 03/11/97
ALLEN-SHERMAN-HOFF	75/379906 10/27/97	2218648 01/19/99
A-S-H & DESIGN	71/226183 01/21/26	221415 11/30/26
ASHCOLITE (Stylized)	72/181733 11/22/63	774841 08/11/64
ASHFLO	75/485035 05/14/98	2394639 10/17/00
ASHFRAC	73/111884 01/10/77	1083895 01/31/78
HYDROBIN	72/181735 11/22/63	773659 07/21/64
HYDRO-EJECTOR	73/374330 07/12/82	1249599 08/30/83
HYDROVACTOR	72/181734 11/22/63	774939 08/11/64
MULTICLONE	72/421977 04/20/72	978546 02/12/74
MAINTENANCE ASSURANCE PROGRAM	75/260495 03/10/97	2193264 10/06/98
ASHCORE	75/485036 05/14/98	2444743 04/17/01
VITECH	75/485048 05/14/98	2421794 01/16/01
FIRESIDE ADVISOR	75/702931 05/07/99	2438038 03/27/01
PRECISION CLEAN	76/042361 04/24/00	2529275 01/15/02
ASHVAC	76/117101 08/28/00	2581199 06/18/02
ASHANDLER	78/027752 09/26/00	2601135 07/30/02
GEMINI	76/215395 02/20/01	2687243 02/11/03
HYDROJET	76/230869	2599299

Mark	Application No. Filing Date	Registration No. Registration Date
	03/12/01	07/23/02
DP & DESIGN	78/143464 07/12/02	3018397 11/22/05
POWERTRAIN	78/208057 01/28/03	2897116 10/26/04
CYCLOASH	78/246419 05/06/03	
FLEXROD	78/246422 05/06/03	2978785 07/26/05
SMELTCAM	78/341285 12/16/03	
UTILICAM	78/494808 10/05/04	
POWERASH	78/513189 11/08/04	3065460 03/07/06
ASHSEAL	78/596117 03/28/05	
SENTRYSERIES	78/665617 07/07/05	
DENSEASH	78/732800 10/13/05	

U.S. PATENTS AND PATENT APPLICATIONS

BABCOCK & WILCOX POWER GENERATION GROUP, INC. (FORMERLY KNOWN AS THE BABCOCK & WILCOX COMPANY)

BABCOCK & WILCOX POWER GENERATION GROUP, INC. (FORMERLY KNOWN AS THE BABCOCK & WILCOX COMPANY) Title	Application No. Filing Date	Patent No. Issue Date
Distribution of gas entrained particles	486613 04/20/83	4832539 05/23/89
Modular exhaust gas steam generator with common boiler casing	859550 05/05/86	4685426 08/11/87
Method of control of steam	132100 12/14/87	4759314 07/26/88
High frequency ultrasonic technique for measuring oxide scale on the inner surface of boiler tubes	844399 03/26/86	4669310 06/02/87
Labyrinth articulation joint for regenerative air heater seal frame	859278 05/02/86	4705098 11/10/87
Dual fluid atomizer	073043 07/14/87	4819878 04/11/89
Heat exchanger support	177740 04/05/88	4770128 09/13/88
Standby cooling system for a fluidized bed boiler	363753 06/09/89	4911107 03/27/90
Activator device for movable components	451910 12/18/89	5138933 08/18/92
Sintering prevention in stagnant zone of fluid bed boilers	233391 08/18/88	4942673 07/24/90
Controlled discharge from a standpipe containing particulate materials	242656 09/12/88	4860694 08/29/89
Acoustic emission leak source location	300408 01/20/89	4858462 08/22/89
Droplet impingement device	261456 10/24/88	4888158 12/19/89
Superheater outlet steam temperature control	333482 04/05/89	4887431 12/19/89
Combined catalytic baghouse and heat pipe air heater	322312 03/10/89	4925633 05/15/90
Radiographic inspection of tube welds in panel walls	374728 07/03/89	4924481 05/08/90
Cyclone furnace for hazardous waste incineration and ash vitrification	406393 09/12/89	5022329 06/11/91

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BABCOCK & WILCOX POWER GENERATION GROUP, INC. (FORMERLY KNOWN AS THE BABCOCK & WILCOX COMPANY) Title	Application No. Filing Date	Patent No. Issue Date
Boiler tube wall inspection system	366353 06/15/89	4905527 03/06/90
Upflow/downflow heated tube circulation system	422853 10/17/89	4982703 01/08/91
Airfoil lance apparatus for homogenous humidification and sorbent dispersion in a gas stream	465276 01/16/90	4980099 12/25/90
Low pressure drop steam/water conical cyclone separator	427666 10/27/89	5033915 07/23/91
Articulated sludge lance	450116 12/12/89	4980120 12/25/90
Internal impact type particle separator	461707 01/08/90	4992085 02/12/91
Easy access pop off relief valve	638306 01/07/91	5098026 03/24/92
Radiographic inspection of tube welds in panel walls	515804 07/03/89	5187728 02/16/93
Sox, Nox and particulate removal system	504192 04/03/90	5585081 12/17/96
Cascading pressure continuous blow bottle	889929 06/02/92	5265983 11/30/93
Fluid velocity measurement device for a generating bank tube	569315 08/17/90	5170672 12/15/92
Non-welded attachment tube support lug casting	576305 08/31/90	5092278 03/03/92
Metal disintegrator tube cutter	597962 10/15/90	5077456 12/31/91
SOx, NOx and particulate removal system	593546 10/02/90	5567394 10/22/96
Low pressure loss/reducer deposition atomizer	672820 03/21/91	5129583 07/14/92
Cyclone furnace for hazardous waste incineration and ash vitrification	629547 12/18/90	5052312 10/01/91
Bi-metallic extrusion billet preforms & method & apparatus for producing same	771906 10/04/91	5207776 05/04/93
Video temperature monitor	711469 06/05/91	5225883 07/06/93
Plasma arc welding adapted to id ellipsoid process	715956 06/17/91	5198635 03/30/93

BABCOCK & WILCOX POWER GENERATION GROUP, INC. (FORMERLY KNOWN AS THE BABCOCK & WILCOX COMPANY) Title	Application No. Filing Date	Patent No. Issue Date
Acoustic emission leak simulator	726465 07/08/91	5134876 08/04/92
Access door with safety latch for pressurized air chambers	735568 07/25/91	5197226 03/30/93
Articulated sludge lance with a moveable extension nozzle	819249 01/10/92	5194217 03/16/93
Method for erection of absorber towers using jacking system	784860 10/30/91	5305574 04/26/94
Upflow/downflow heated tube circulating system	784111 10/29/91	5176110 01/05/93
Upflow/downflow heated tube circulating system	785147 10/29/91	5201282 04/13/93
Hydrogen peroxide for flue gas desulfurization	303311 09/08/94	5595713 01/21/97
Method and apparatus for gas liquid contact	983109 11/30/92	5246471 09/21/93
Chemical conversion plug to achieve gas tightness	055097 05/03/93	5271550 12/21/93
FGD performance enhancement by hydroclone and recycling steps	028895 03/08/93	5308509 05/03/94
Combined combustion & steam turbine power plant	008023 01/25/93	5375410 12/27/94
High efficiency advanced dry scrubber	081765 06/23/93	5354364 10/11/94
Gas lane barriers between modules of heat recovery steam	042328 04/02/93	5359823 11/01/94
Integral shipping truss assembly for heat recovery steam generator modules	044992 04/07/93	5370239 12/06/94
Method of reagent and oxidation air delivery	107387 08/16/93	5500196 03/19/96
Combined heat exchanger and ammonia injection process	08/076994 06/15/93	5380499 01/10/95
Method and apparatus for controlling the bed temperature in a circulating fluidized bed reactor	198694 02/18/94	5363812 11/15/94
Articulated annular sludge lance	08/126453 09/24/93	5411043 05/02/95
Ball and socket floating seal assembly	113026 08/27/93	5286063 02/15/94

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BABCOCK & WILCOX POWER GENERATION GROUP, INC. (FORMERLY KNOWN AS THE BABCOCK & WILCOX COMPANY) Title	Application No. Filing Date	Patent No. Issue Date
Titanium tube seal welding head enclosure	08/194953 02/14/94	5501389 03/26/96
Tube bevelling machine with adjustable bevelling head	188530 01/26/94	5393176 02/28/95
Gas-gas heater protection system and method	161107 12/02/93	5509461 04/23/96
Direct centrate/filtrate return	198746 02/18/94	5405433 04/11/95
Wet scrubber inlet awning with low pressure drop	236617 05/02/94	5403523 04/04/95
Dual fluid atomizer for high solids soil paste containing pebbles of agglomerates	252805 06/02/94	5511728 04/30/96
Combined heat exchanger ammonia injection process (cheap)	250187 05/27/94	5437851 08/01/95
Segmented heat exchanger flue gas treatment	270705 07/05/94	5534230 07/09/96
Regenerable magnesium dry scrubbing	263120 06/21/94	5439658 08/08/95
Extended wear life low pressure drop, right angle, single exit orifice dual-fluid atomizer with replaceable wear	271336 07/06/94	5542609 08/06/96
Extended wear life low press drop, right angle, multi exit orifice dual-fluid atomizer with replaceable wear	271293 07/06/94	5516046 05/14/96
Combined combustion & steam turbine power plant	237735 05/04/94	5442908 08/22/95
Dry scrubber forced recirculation	388332 02/14/95	5643344 07/01/97
Distribution cone for pulverized coal burners	333394 11/02/94	5526758 06/18/96
Catalyst outage protection system	375884 01/20/95	5618499 04/08/97
Enhanced heat exchanger flue gas treatment using steam injection	08/304741 09/12/94	5567215 10/22/96
Variable pressure once-through steam generator having non-split spiral to vertical flow circuitry	08/417167 04/05/95	5901669 05/11/99
Variable pressure once-through steam generator furnace all welded spiral to vertical tube transition with non-split flow circuitry	434888 05/04/95	5755188 05/26/98
Vertical arrangement fluidized/non-fluidized bed classifier cooler	320077 10/07/94	5526938 06/18/96

BABCOCK & WILCOX POWER GENERATION GROUP, INC. (FORMERLY KNOWN AS THE BABCOCK & WILCOX COMPANY) Title	Application No. Filing Date	Patent No. Issue Date
Method of reagent and oxidation air delivery	359147 12/19/94	5520897 05/28/96
Sludge lance nozzle	335922 11/08/94	5509609 04/23/96
Flue gas conditioning for the removal of acid gases, air toxics and trace metals	343285 11/22/94	5599508 02/04/97
Stacked interspacial spray header for fgd wet scrubber	386834 02/10/95	5620144 04/15/97
Articulated annular sludge lance	354394 12/12/94	5514219 05/07/96
Composite waterlance and cavity connection	398202 03/02/95	5570969 11/05/96
Automated sludge lance	392651 02/23/95	5570660 11/05/96
Automated sludge lance	392652 02/23/95	5572957 11/12/96
Flue gas desulfurization method and apparatus	611605 03/08/96	5795548 08/18/98
Improxed Sox Nox and particulate removal system	394980 02/27/95	5540897 07/30/96
Automated sludge lance	416590 04/03/95	5555851 09/17/96
Method and apparatus for weld joining pipe sections	533896 09/26/95	5624067 04/29/97
Once-through steam generator furnace outlet fluid mix to minimize the number of headers and riser materials	600616 02/13/96	56693333 09/23/97
Method of replacing primary divider plate in a steam generator	509906 08/01/95	5623763 04/29/97
Segmented automated sludge lance	530814 09/20/95	5782209 07/21/98
Fine-particulate and aerosol removal technique in a condensing heat exchanger using an electrostatic system enhance	08/566381 12/01/95	5792238 08/11/98
Apparatus for mixing a tank and improving air/liquid contact in an oxidized system	08/550438 10/30/95	5676716 10/14/97
Ultrasonic technique for measuring the thickness of cladding on the inside surface of vessels from the outside diameter surface	526522 09/11/95	5661241 08/26/97
Corner foils for hydraulic measurement	588495 01/18/96	5687768 11/18/97

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BABCOCK & WILCOX POWER GENERATION GROUP, INC. (FORMERLY KNOWN AS THE BABCOCK & WILCOX COMPANY) Title	Application No. Filing Date	Patent No. Issue Date
Energy absorbing tube support for furnace	585220 01/11/96	5692457 12/02/97
Energy absorbing tube support for furnace	453602 11/30/99	RE37192 05/29/01
Black liquor gasifier	548798 11/02/95	5634950 06/03/97
Method of making continuous ceramic fiber composite hot gas filter	08/788717 01/23/97	5876537 03/02/99
Method and apparatus to regulate a voltage controller	584195 01/11/96	5689177 11/18/97
Activated carbon flue gas desulfurization systems for mercury removal	635532 04/22/96	5672323 09/30/97
Drainable discharge pan for impact type particle separator	664755 06/17/96	5799593 09/01/98
Dry scrubber with forced recirculation	656747 06/03/96	5575834 11/19/96
Apparatus for air sparged slurry tanks	08/702425 08/14/96	6013120 01/11/00
Hanger assembly for lagging panel	681188 07/22/96	5701711 12/30/97
Wet scrubber oxidation air sparger arrangement	08/679495 07/12/96	5928615 07/27/99
Flue gas desulfurization method and apparatus	669762 06/26/96	5814288 09/29/98
Flooding reduction on a tubular heat exchanger	691725 08/02/96	5791404 08/11/98
Two phase flow dispersion device	08/699764 08/20/96	6065486 05/23/00
Circulating fluidized bed furnace/reactor with an integral secondary air plenum	08/759885 12/03/96	5836257 11/17/98
Pulverized coal burner	08/747319 11/12/96	5829369 11/03/98
An improved strain relief mainshaft assembly	08/742327 11/01/96	6132135 10/17/00
Primary divider plate	749590 11/15/96	5735341 04/07/98
Low pressure drop vanes for burners and Nox ports	749883 11/15/96	5664944 09/09/97

BABCOCK & WILCOX POWER GENERATION GROUP, INC. (FORMERLY KNOWN AS THE BABCOCK & WILCOX COMPANY) Title	Application No. Filing Date	Patent No. Issue Date
Cast abrasion resistant hollow balls	757990 11/27/96	5676193 10/14/97
Diesel or dual-fuel engine and black liquor gasifier combined cycle	08/801836 02/14/97	5895507 04/20/99
Method for chromizing small parts	08/938319 09/26/97	5912050 06/15/99
Fine-particulate and aerosol removal technique in a condensing heat exchanger using an electrostatic system enhancement	869335 06/05/97	5846301 12/08/98
Cyclone furnace for retrofit applications	08/966110 11/07/97	6021724 02/08/00
Fume sensor system and methods for background noise suppression	09/637717 08/11/00	6490040 12/03/02
Mercury removal in utility wet scrubber using a chelating agent	09/282816 03/31/99	6328939 12/11/01
Apparatus for control of mercury	09/282817 03/31/99	6284199 09/04/01
Alkaline sorbent injection for mercury control	09/206465 12/07/98	6372187 04/16/02
Low pressure drop inlet for high velocity absorbers with straight tanks	09/336412 06/18/99	6267358 07/31/01
Sulfur recovery gasification process for spent liquor at high temperature and high pressure	09/945927 09/04/01	
Apparatus to recover sulfur from concentrated acid gas into alkaline solution	09/435745 11/08/99	6440379 08/27/02
Improvement of fracture toughness for aluminum-based diffusion coatings	09/415980 10/12/99	6302975 10/16/01
Use of sulfide-containing liquors for removing mercury from flue gases	09/464806 12/17/99	6503470 01/07/03
Use of sulfide-containing liquors for removing mercury from flue gases	10/324833 12/20/02	
Method and apparatus for air sparged slurry tanks	09/366844 08/04/99	6086658 07/11/00
Method for producing chromium carbide coatings	09/631207 08/02/00	6503340 01/07/03
Modification of diffusion coating grain structure by nitriding	09/460129 12/13/99	6197125 03/06/01
Method for controlling elemental mercury emissions	09/730100 12/05/00	6855859 02/15/05

BABCOCK & WILCOX POWER GENERATION GROUP, INC. (FORMERLY KNOWN AS THE BABCOCK & WILCOX COMPANY) Title	Application No. Filing Date	Patent No. Issue Date
Process and composition for chromizing 400-series stainless steels	09/788742 02/20/01	6387194 05/14/02
Integrated injection & bag filter house system for Sox Nox particulate control with reagent catalyst regeneration	932754 11/19/86	4793981 12/27/88
Tube fin removal robot	061857 06/12/87	4747886 05/31/88
Burner for coal, oil or gas firing	190734 05/05/88	4836772 06/06/89
Improved burner for coal oil or gas firing	260435 10/20/88	4915619 04/10/90
Single spray level for flue gas desulfurization system	736334 07/26/91	5173093 12/22/92
Pressure pulse cleaning for absorption tower distributors	809377 12/18/91	5259446 11/09/93
Boiler top support casing channel slit ring	724258 07/01/91	5090370 02/25/92
Low pressure drop dry scrubber	781465 10/23/91	5194076 03/16/93
Regenerable flue gas desulphurization system	790900 11/12/91	5266287 11/30/93
Feedwater control for drum type steam generators	823503 01/22/92	5148775 09/22/92
Support interspaced opposed feed headers for FGD systems	886581 05/21/92	5271873 12/21/93
Refractory tile for heat exchanger protection	839516 02/20/92	5243801 09/14/93
Low Nox burner system	850600 03/13/92	5205226 04/27/93
Dry scrubber with integral particulate collection device	904304 06/24/92	5215557 06/01/93
Enhanced reagent utilization for dry or semi-dry scrubber	910062 07/08/92	5273721 12/28/93
Purification of FGD gypsum product	937775 09/01/92	5215672 06/01/93
SO2 control using moving granular beds	926492 08/07/92	5266288 11/30/93
Pressure pulse cleaning for absorption tower distributors	940087 09/03/92	5273590 12/28/93

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BABCOCK & WILCOX POWER GENERATION GROUP, INC. (FORMERLY KNOWN AS THE BABCOCK & WILCOX COMPANY) Title	Application No. Filing Date	Patent No. Issue Date
Reversible, wear-resistant ash screw cooler section	953631 09/29/92	5309848 05/10/94
Cyclone furnace with increased tube wall material	972179 11/04/92	5273003 12/28/93
Beneficiation of dry scrubber product	015956 02/08/93	5318227 06/07/94
Cost reduction of wet FBD systems with a tray	009698 01/27/93	5281402 01/25/94
Assymetric pulverizer tire	033694 03/16/93	5346148 09/13/94
Circulating fluidized bed reactor with internal primary particle separation and return	08/037986 03/25/93	5343830 09/06/94
Oxidation detector for sulfite/sulfate systems	08/089962 07/12/93	6010664 01/04/00
Dry scrubber with condensing heat exchanger for cycle efficiency improvement	104974 08/10/93	5339755 08/23/94
Cleaning method for pulverized cool injection system equipment using coke breeze	206990 03/07/94	5447571 09/05/95
Non-baffled low pressure drop vacuum cooled inserted smelt spout	144921 10/28/93	5437768 08/01/95
Condensing heat exchanger scrubbing system	161109 12/02/93	5368096 11/29/94
Use of single-lead and multi-lead ribbed tubing for sliding pressure once-through boilers	249183 05/25/94	5390631 02/21/95
Method and system for So2 and SO3 control by dry sorbent/reagent injection and web scrubbing	08/235597 04/29/94	6143263 11/07/00
Method of convert a double-loop flue gas desulfurization to a single-loop system	241266 05/11/94	5451250 09/19/95
Regenerative scrubber application with condensing heat exchanger	267263 06/28/94	5480619 01/02/96
Electrostatic precipitator discharge rapper anvil	539571 10/05/95	5639359 06/17/97
Amonia-limestone scrubbing with by-product for use in agriculture	372274 01/11/95	5510094 04/23/96
Wet flue gas scrubber having an evenly distributed flue gas inlet	388708 02/14/95	5558818 09/24/96
Low Nox short flame burner with control of primary air/fuel ratio for Nox reduction	789049 01/28/97	5697306 12/16/97

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BABCOCK & WILCOX POWER GENERATION GROUP, INC. (FORMERLY KNOWN AS THE BABCOCK & WILCOX COMPANY) Title	Application No. Filing Date	Patent No. Issue Date
Short flame XCL burner	408671 03/22/95	5680823 10/28/97
Burner pattern to minimize sidewall corrosion potential	433635 05/02/95	5505146 04/09/96
Diffuser for coal nozzle burner	448206 05/23/95	5588380 12/31/96
Method for So2 and SO3 control by dry sorbent/reagent injection and web scrubbing	08/448060 05/23/95	6303083 10/16/01
Enhanced heat exchanger flue gas treatment using steam injection	459592 06/02/95	5599382 02/04/97
Low pressure drop, turbulent mixing zone dry scrubber	536866 09/29/95	5651948 07/29/97
Inlet awning for high velocity absorbers	587180 01/16/96	5656046 08/12/97
Mist elimination/air toxic control in a wet scrubber using a condensing heat exchanger	08/566192 12/01/95	6273940 08/14/01
Apparatus for the injection, distribution and dispersion of sorbent in a utility boiler furnace	594052 01/30/96	5685243 11/11/97
Compound burner vane	08/584785 01/11/96	5827054 10/27/98
Key advanced linear kinetic absorber system particulate arresting device	600708 02/13/96	5676715 10/14/97
Hydrogen peroxide for flue gas desulfurization	648261 05/15/96	5674459 10/07/97
Low pressure drop, turbulent mixing zone dry scrubber	720855 10/02/96	5639430 06/17/97
Trapezoidal deflectors for heat exchanger tubes	898607 07/22/97	5799724 09/01/98
Erosion protection at the line discontinuity for enclosure and internal walls in fluidized bed combustors and reactors	08/876371 06/16/97	5893340 04/13/99
Improved main shaft	08/898606 07/22/97	6347758 02/19/02
Improved main shaft assembly	08/868867 06/05/97	6270026 08/07/01
Dynamic classifier with hollow shaft drive motor	08/832932 04/04/97	5884776 03/23/99
Apparatus for mixing a tank and improving air/liquid contact in a oxidized system	869188 06/04/97	5824141 10/20/98

BABCOCK & WILCOX POWER GENERATION GROUP, INC. (FORMERLY KNOWN AS THE BABCOCK & WILCOX COMPANY) Title	Application No. Filing Date	Patent No. Issue Date
Integrated reburn system for Nox control from cyclone-fired boilers	975725 11/21/97	5878700 03/09/99
Intrados induction heating for tight radius rotary draw bend	09/012507 01/23/98	6038902 03/21/00
Coal spreader with swirl vanes	09/959795 10/29/97	6055913 05/02/00
Retrofit of a center inlet type scrubber with absorption/gas distribution tray to improve gas-liquid contact in the absorption zone	09/006376 01/13/98	6036756 03/14/00
Improved internal oil flow path for gearbox bearings	009366 01/20/98	6227712 05/08/01
Low pressure drop inlet design to promote good gas flow patterns in high velocity absorbers	09/022136 02/11/98	6488899 12/03/02
Emat inspection of header tube stubs	09/069445 04/29/98	6079273 06/27/00
Retainer shield for split ring castings	09/096045 06/11/98	6006702 12/28/99
Steam generator for gasifying coal	09/114743 03/27/00	6312482 11/06/01
Variable pressure once-through steam generator upper furnace having non-split flow circuitry	09/061480 04/16/98	5934227 08/10/99
Furnace floor	09/292722 04/15/99	6067944 05/30/00
Sludge lance	09/124130 07/29/98	6412449 07/02/02
Air heater gas inlet plenum	09/359098 07/22/99	6405791 06/18/02
Air heater gas inlet plenum	10/101645 03/19/02	6494255 12/17/02
Water jacketed, high temperature, boiler, stretcher, access door	09/234687 01/21/99	6415724 07/09/02
Circulating fluidized bed reactor with floored internal primary particle separator	09/206353 12/07/98	6095095 08/01/00
Oxidation resistant low alloy attachment for boiler components	09/231914 01/14/99	6321691 11/27/01
Combined flue gas desulfurization and carbon dioxide removal system	09/326450 06/04/99	6399030 06/04/02
Compound burner vane	09/178855 10/26/98	6146130 11/14/00

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BABCOCK & WILCOX POWER GENERATION GROUP, INC. (FORMERLY KNOWN AS THE BABCOCK & WILCOX COMPANY) Title	Application No. Filing Date	Patent No. Issue Date
Method of reducing Nox emissions with minimal increases in unburned carbon and waterwall corrosion	09/394163 09/13/99	6318277 11/20/01
Machine and method for preventing flange leakage	09/281891 03/31/99	6203019 03/20/01
Wall protection from downward flowing solids	09/305962 05/06/99	6044805 04/04/00
Horizontal spiral tube boiler convection pass enclosure design	10/320342 12/16/02	6718915 04/13/04
Emat surface wave inspection for cracks in boiler tubes	09/398621 09/17/99	6282964 09/04/01
Fine solids recycle in circulating fluidized bed	09/464258 12/17/99	6269778 08/07/01
Furnace floor	09/539257 03/30/00	6205634 03/27/01
Drumless natural circulation boiler	09/585878 06/01/00	6336429 01/08/02
Particulate collector channel with cooling inner elements in a CFB boiler	09/613132 07/10/00	6322603 11/27/01
Single spray level for flue gas desulfurization system with internal main feed headers	09/969333 10/01/01	6613133 09/02/03
Integrated air foil and ammonia injection grid for SCR system	09/602483 06/23/00	6887435 05/03/05
Wall protection from downward flowing solids	09/979615 11/06/01	6491000 12/10/02
Circulating fluidized bed reactor with selective catalytic reduction	09/503218 02/13/00	6395237 05/28/02
Improvements in EL type pulverizers	09/698558 10/27/00	6874715 04/05/05
Variable resistance device for a high pressure air supply system	09/599326 06/22/00	6273141 08/14/01
Cooled tubes arranged to form impact type particle separators	09/865609 05/25/01	6500221 12/31/02
Collection element segments of a labyrinth impact particle collector attached to cooled supports	09/865332 05/25/01	6454824 09/24/02
Compound burner vanes	09/551066 04/18/00	6386863 05/14/02
System for controlling flue gas exit temperature for optimal SCR operations	10/085715 02/27/02	6609483 08/26/03

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BABCOCK & WILCOX POWER GENERATION GROUP, INC. (FORMERLY KNOWN AS THE BABCOCK & WILCOX COMPANY) Title	Application No. Filing Date	Patent No. Issue Date
Tapered corrosion protection of tubes at mud drum location	09/670897 09/28/00	6495268 12/17/02
Tapered corrosion protection of tubes at mud drum location	10/284625 10/31/02	6800149 10/05/04
Spacer bar with tube sleeve and tab	09/680725 10/09/00	6273030 08/14/01
Integrated air foil and diamond flow vane	11/135771 05/24/05	
CFB with controllable in-bed heat exchanger	09/906993 07/17/01	6532905 03/18/03
Attachable heat flux measuring device	09/697866 10/27/00	6485174 11/26/02
Boiler internal flue gas by-pass damper for flue gas temperature control	10/024874 12/19/01	6748880 06/15/04
Circulating fluidized bed reactor with selective cataytic reduction	09/958622 02/06/01	6967005 11/22/05
Channelized SCR inlet for improved ammonia injection and efficient Nox control	09/896169 06/29/01	6905658 06/14/05
Compartmented gas outlet for Nox control and mixing for SCR	10/055317 01/23/02	6510820 01/28/03
Floored impact type solids separator using downward expanding separator elements	10/273917 10/18/02	6681722 01/27/04
Hydraulic loading system for ball and ring pulverizers	09/948823 09/07/01	6609669 08/26/03
Titanium catalyst support substrate to reduce dead-load requirements of SCR structural steel	10/174043 06/18/02	
Laser welded boiler tube wall panels	10/175297 06/19/02	6852945 02/08/05
Two-fluted housing liner	10/056825 01/25/02	6783091 08/31/04
Gas injectors for short flame and low pollutant emissions	10/443287 05/21/03	6951454 10/04/05
Mechanical dust collector	10/135432 04/30/02	6863703 03/08/05
Method of converting a downflow/upflow wet flue gas desulfurization (WFGD) system to an upflow single-loop WGFD system	10/196597 07/16/02	6726748 04/24/04
Improved collection scoop for FGD bleed stream or EX situ oxidation	10/166589 06/10/02	6695018 02/24/04

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BABCOCK & WILCOX POWER GENERATION GROUP, INC. (FORMERLY KNOWN AS THE BABCOCK & WILCOX COMPANY) Title	Application No. Filing Date	Patent No. Issue Date
Improved collection scoop for FGD bleed stream or EX situ oxidation	10/736914 12/16/03	6926870 08/09/05
Improved collection scoop for FGD bleed stream or EX situ oxidation	10/737499 12/16/03	
Bubble cap assembly	10/447895 05/30/03	6868795 03/22/05
Flue gas desulfurization system with a stepped tray	10/279425 10/24/02	6923852 08/02/05
Passive system for optimal Nox reduction via selective catalytic reduction	10/236854 09/06/02	
Intermittent mixer with low pressure drop	10/391393 03/18/03	6946011 09/20/05
Impact type particle separator made of mutually inverted U-shaped elements	10/447688 05/29/03	6869459 03/22/05
Anti-vibration bars for boiler tubes with protective shields	10/802688 03/17/04	
Dual pressure recovery boiler	10/969125 10/20/04	
Split ring casting for boiler tubes with tube shields	10/802474 03/17/04	
Re-oriented over fire air ports for reduction of Nox production from pulverized coal-fired burners	10/767978 01/29/04	
Method of applying reagent with coal	11/065398 02/24/05	
Baffle for increased capture of popcorn ash in economizer hoppers	11/033085 01/10/05	
Center air jet low Nox PC-fired burner	11/171027 06/30/05	
Oxy-fuel reburn: a method for Nox reduction by fuel reburning with oxygen	60/679840 05/11/05	
Carrier air heating system for SCR	11/105053 04/13/05	
Wetted particle and droplet impingement	10/948478 09/23/04	
Hood/tower interface	11/055760 02/10/05	
Cyclone furnace for oxygen fired boiler with flue gas recirculation	11/077062 03/10/05	

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BABCOCK & WILCOX POWER GENERATION GROUP, INC. (FORMERLY KNOWN AS THE BABCOCK & WILCOX COMPANY) Title	Application No. Filing Date	Patent No. Issue Date
Tunneled multi-blade swirler for liquid fuel atomization	11/100731 04/07/05	
Steam generator to contain and cool synthesis gas	11/191183 07/27/05	
Radiant syngas cooler	60/733097 11/03/05	
Dynamic Halogenation of Sorbents from the Removal of Mercury from Flue Gases	10/591856 09/05/06	
Bromine addition for the improved removal of mercury from Flue Gases	10/591855 09/05/06	
Heat Exchanger Framework	11/487624 07/17/06	
Compact Radial Platen Arrangement for Radiant Syngas Cooler	60/837773 08/15/06	
Syngas Cooler Cleaning Device	60/837783 08/15/06	
Segmented Piston Ring Seal with Spring Plate Pressure Releases	60/837774 08/15/06	
Extended Water Level Range Steam / Water Conical Cyclone Separator	60/846028 09/20/06	
Radian Syngas Cooler	11/588045 10/26/06	
Multiple Pass Economizer and Method for SCR Temperature Control	11/542413 10/03/06	
Oxy-Combustion System & Apparatus	60/854893 10/27/06	
LPA screen rapper system designed to clean ash accumulation from LPA screen in flue	11/711509 01/27/07	
Stress reduction for pulverizer main shaft via thrust bearing modification	11/717345 03/13/07	
Self-supporting reinforced header	111/686437 03/15/07	
Intermediate-air injection for carryover reduction in kraft recovery boilers	60/908560 03/28/07	
Intermediate-air injection for carryover reduction in kraft recovery boilers	11/694125 03/30/07	
SNCR Distribution Grid	11/577171 04/12/07	
Low NOx Cyclone Furnace Steam Generator	11/720506 05/30/07	
Grinding Plant	60/910547 04/06/07	
Moisture Removal from Flue Gas in WFGD in the Oxy-Combustion Technology	11/733942 04/11/07	
Economizer Gas Bypass	60/911425 04/12/07	
End Support Configuration for Steam Tubes of a Superheater or Reheater	11/740340 04/26/07	

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BABCOCK & WILCOX POWER GENERATION GROUP, INC. (FORMERLY KNOWN AS THE BABCOCK & WILCOX COMPANY) Title	Application No. Filing Date	Patent No. Issue Date
Link Type Seismic Tie for Boilers	11/743722 05/03/07	
Stress Reduction for Pulverizer Main Shaft via Flexible Structure	11/748662 05/15/07	
Polygon Tumble Assembler	11/749967 05/17/07	
Economizer Arrangement for Steam Generator	11/750271 05/17/07	
Steam/Water Conical Cyclone Separator	11/753335 05/24/07	
Nox Reduction in Cyclone Boilers by Deep Staging and Selective Use of Oxygen	60/942028 06/05/07	
Rapper Alignment Plug	11/768941 06/27/07	
Matrix Means for Reducing Combustion Volume	11/775919 07/11/07	
Closed Cycle MHD-FARADAY Generation of Electric Power Using Steam as the Gaseous Medium	11/780130 07/19/07	
Black Plant Steam Furnace Injection	60/952390 07/27/07	
A Low-Temperature, Moving-Bed Catalytic Reactor/Regenerator for Control of NOx and Mercury Emissions from Coal Combustion	60/953608 08/02/07	
Syngas Cooler Cleaning Device	11/838580 08/14/07	
Compact Radial Platen Arrangement for Radiant Syngas Cooler	11/839285 08/15/07	
Segmented Piston Ring Seal with Spring Plate Pressure Releases	11/839357 08/15/07	
Catalyst Particulate Diverter	11/851443 09/07/07	
Bottom Ash Injection for Enhancing Spray Dryer Absorber Performance	11/854781 09/13/07	
Spray Dryer Absorber and Related Processes	11/854795 09/13/07	
Extended Water Level Range Steam / Water Conical Cyclone Separator	11/857898 09/19/07	
Heat exchanger	61/020882 01/14/08	
OFA system control using OFA zone sensors proprietary data analysis methods	12/036639 02/25/08	
In-situ regeneration of a catalyst masked by calcium sulfate	12/055439 03/26/08	
Coin Retrieval from Refuse	11/834247 08/06/07	
Enhanced Steam Cycle Utilizing a Dual Pressure Recovery Boiler with Reheat	12/055832 03/26/08	
Combustion System and Process	11/940575 11/15/07	
Enhancement of conventional SCR and SNCR processes with ammonia destruction catalyst	12/098623 04/07/08	
System and method for minimizing nitrogen oxide (NOx) emissions in cyclone combustors	12/129052 05/29/08	
Method and apparatus for preparing pulverized coal used to produce synthesis gas	12/060459 04/01/08	
Economizer gas bypass	12/101513 04/11/08	

BABCOCK & WILCOX POWER GENERATION GROUP, INC. (FORMERLY KNOWN AS THE BABCOCK & WILCOX COMPANY) Title	Application No. Filing Date	Patent No. Issue Date
Method of forming, inserting, and permanently bonding helical ribs in boiler tubes	12/134295 06/06/08	
Method of transitioning from air to oxy and oxy to air fired combustion in an ultility oxy-combustion power plant	61/044528 04/14/08	
Solar tower erection method	61/051171 05/07/08	
Wet scrubber tray	61/061900 06/16/08	
Contoured flat stud and stud arrangement for cyclone slag taps	12/175524 07/18/08	
A low-temperature, moving-bed catalytic reactor/regenerator for control of NOx and mercury emissions from coal combustion	12/175540 07/18/08	
Tri-sector regenerative oxidant preheater for oxy-fired pulverized coal combustion	12/169168 07/08/08	
Black plant steam furnace injection	12/175102 07/17/08	
Carbon oxide and/or sulfur oxide capture in a liquid environment	61/109222 10/29/08	
Shop-assembled solar receiver heat exchanger	61/197169 10/24/08	
Bladed bullet coal diffuser with coal line balancing device	61/114501 11/14/08	
Oxy-combustion coal fired boiler and method of transitioned between air and oxygen firing	12/422685 04/13/09	
Erection method for solar receiver & support tower	12/435062 05/04/09	
Wet scrubber tray	12/484187 06/13/09	
System and method for protection of SCR catalyst	61/171619 04/22/09	
Biomass center airejet burner	61/173659 04/29/09	
Integral pressurized water nuclear reactor	61/185878 06/10/09	
Control rod drive mechanism (CRDM) for nuclear reactor	61/185887 06/10/09	
Nuclear reactor	61/185897 06/10/09	
System for controlling coal flow in a coal pulverizer	61/219097 06/22/09	

DIAMOND POWER INTERNATIONAL

DIAMOND POWER INTERNATIONAL Title	Application No. Filing Date	Patent No. Issue Date
Apparatus for detecting carryover particles in the interior of a furnace	521082 05/08/90	5010827 04/30/91
Articulating water monitor cleaning device	10/036173 12/26/01	6655397 12/02/03
Emissivity probe	10/218067 08/13/02	6909495 06/21/05
Indexing Sootblower	172709 03/24/88	4803959 02/14/89
Spring loaded brake assembly for indexing sootblower	645220 01/24/91	5065472 11/19/91
Hub assembly for sootblower	685464 04/12/91	5090087 02/25/92
Floating cable loop control assembly	737459 07/29/91	5167307 12/01/92
Method and apparatus for constant progression of a cleaning jet across heated surfaces	07/877987 05/02/92	5337438 08/16/94
Method and apparatus for constant progression of a cleaning jet across heated surfaces	247001 05/20/94	5437295 08/01/95
Sootblower having variable discharge	232322 04/25/94	5416946 05/23/95
Method and apparatus of preheating a sootblower lance	013770 02/03/93	5320073 06/14/94
Open beam sootblower	08/034251 03/22/93	5299533 04/05/94
Open beam sootblower	128840 09/29/93	5365890 11/22/94
Open beam sootblower	189301 01/28/94	5429076 07/04/95
Open beam sootblower	440317 05/12/95	5549079 08/27/96
Articulating sootblower	342868 11/21/94	5605117 02/25/97
Retractable chemical injection system	379974 01/27/95	5585072 12/17/96
Parameter sensing sootblower	08/832309 04/03/97	5920951 07/13/99
Control of water cleaning for reflective ash using infrared technology	621416 12/03/90	5094695 03/10/92

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DIAMOND POWER INTERNATIONAL Title	Application No. Filing Date	Patent No. Issue Date
Advanced water lance control system based on peak furance wall emissivity	621418 12/03/90	5096502 03/17/92
Method & apparatus for injecting Nox inhibiting liquid reagent into the flue gas of a boiler in response to a sensed	08/266809 06/28/94	6190628 02/20/01
Boiler bank surface temperature profiler	279736 07/25/94	5615953 04/01/97
Furnace gas pyrometer (gastemp alternative)	08/770609 12/19/96	6733173 05/11/04
Pressure equalization valve	08/905176 08/04/97	5950677 09/14/99
Sootblower nozzle assembly with an improved downstream nozzle	10/039430 01/02/02	6764030 07/20/04
Sootblower mechanism providing varying lance rotation speed	10/029900 12/20/01	6772775 08/10/04
Sootblower lance tube for dual cleaning media	10/049303 02/05/02	6782902 08/31/04
Oscillating sootblower mechanism	10/199626 07/19/02	6575122 06/10/03
Furnace video camera apparatus	08/938195 09/26/97	6069652 05/30/00
Furnace video camera apparatus	09/456638 12/08/99	6239831 05/29/01
Furnace video camera apparatus	09/680578 10/06/00	6778209 08/17/04
Furnace video camera apparatus	09/758019 01/10/01	6806900 10/19/04
Slag eliminator for furnace viewing system	523684 05/14/90	4981088 01/01/91
Unburned carbon and other combustibles	08/944120 10/06/97	5774176 06/30/98
Unburned carbon and other combustibles	08/925340 09/08/97	5988079 11/23/99
Combustion optimization system	08/591012 01/25/96	5794549 08/18/98
Sootblowing optimization system	09/436944 11/09/99	6325025 12/04/01
Sootblowing optimization system	09/920697 08/01/01	6425352 07/30/02

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DIAMOND POWER INTERNATIONAL Title	Application No. Filing Date	Patent No. Issue Date
Ash handling system	09/691562 10/18/00	6338306 01/15/02
Sootblower control based on boiler thermal efficiency optimization	10/739858 12/18/03	6928937 08/16/05
Sootblower with single traveling limit switch utilizing state logic control	10/812807 03/30/04	
Low loss poppet valve	11/216591 08/30/05	
Port rodder with velocity damper	11/138574 05/26/05	
Retractable liquor gun for a recovery furnace	11/138044 05/26/05	
Boiler wall box cooling system	10/876132 06/24/04	6925969 08/09/05

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U.S. COPYRIGHT REGISTRATIONS

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BABCOCK COPYRIGHT LISTING

Copyright Title	Registration Number	Regist. Date	Division	Company	License
ACOUSTIC LEAK LOCATOR ALL USERS MANUAL	TX4-658-909	11/04/1997	SIDT	B&W	
ACOUSTIC LEAK LOCATOR ALLVIEW SOFTWARE USERS MANUAL	TX4-665-982	11/04/1997	SIDT	B&W	
ACTIGRAF	TXu-487-508	06/11/1991	EISD	B&W	
AET 5500 OPERATOR'S GUIDE	TX4-658-931	11/04/1997	SIDT	B&W	
ADL PIPE	590-486	12/01/1980	PSI	B&W	
APPLIED ENERGY SERVICES DEEPWATER COGENERATION PROJECT UNIT ONE, PASADENA, TX	198-896	08/19/1985	PSI	B&W	
ASSOCIATED ELECTRIC COOPERATIVE, THOMAS HILL UNIT CO. 3, MOBERLY, MISSOURI	VA 93-348	10/22/1981	FPD	B&W	
ASSURED STOCK PROGRAM TM (BOOKLET)	TX2 114 746	07/17/1987	DFO	B&W	
ASSURED STOCK PROGRAM TM (BROCHURE)	TX2 113 817	07/17/1987	DFO	B&W	
AUSTRALIA IRON & STEEL PTY., LTD, PORT KEMBLA WORKS, PORT KEMBLA, N.S.W. AUSTRALIA	VA 104-544	07/19/1982	FPD	B&W	
B.F. GOODRICH, CHEMICAL GROUP, LOUISVILLE, KENTUCKY	VA 93-346	10/22/1981	FPD	B&W	
BABCOCK & WILCOX, EL PULVERIZER MANUAL, DESCRIPTION, OPERATION, CHECKS	TX1-145-814	07/05/1983	FPD	B&W	
BABCOCK & WILCOX, EL-56 PULVERIZER MANUAL DESCRIPTION, OPERATION, CHECKS	TX1-05-595	04/21/1983	FPD	B&W	
BAR/TUBE HOT GAGE OPERATORS GUIDE	TXu 298-622	09/24/1987	TPD	B&W	
BAR/TUBE MILL HOT GAGE	TXu 298-623	09/24/1987	TPD	B&W	
BIG RIVERS ELECTRIC CORPORATION, REID STATION – UNIT NO. 2, SEBREE, KENTUCKY	454-903	03/04/1980	FPD	B&W	

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BABCOCK COPYRIGHT LISTING

Copyright Title	Registration Number	Regist. Date	Division	Company	License
BOARD OF MUNICIPAL UTILITIES, SIKESTON POWER STATION UNIT 1	505-125	06/18/1980	FPD	B&W	
BOWATER CAROLINA COMPANY, NO. 3 RECOVERY BOILER, CATAWBA, SOUTH CAROLINA	VA 130-282	07/05/1983	FPD	B&W	
BYPASS FLOW SCHEMATIC	VA 138-736	10/27/1983	FPD	B&W	
BYPASS FLOW SCHEMATIC, INTERMOUNTAIN POWER PROJECT	VA 145-245	01/09/1984	FPD	B&W	
CAJUN ELECTRIC POWER COOPERATIVE, INC., BIG CAJUN NO. 2, POWER STATION UNIT NO. 3, NEW ROADS, LOUISIANA	VA 116-843	12/06/1982	FPD	B&W	
CENTRAL ILLINOIS PUBLIC SERVICE COMPANY, COFFEEN POWER STATION, UNIT NO. 1, COFFEEN, ILLINOIS	VA 122-776	03/28/1983	FPD	B&W	
CENTRAL ILLINOIS PUBLIC SERVICE COMPANY, COFFEEN POWER STATION, UNIT NO. 2, COFFEEN, ILLINOIS	VA 122-777	03/28/1983	FPD	B&W	
CERA-VAM CERAMIC LINING EXTENDS WEAR LIFE OF COAL-HANDLING SYSTEMS	TX 795-956	11/04/1981	FPD	B&W	
COMMONWEALTH EDISON COMPANY, KINCAID GENERATING STATION, UNIT NOS. 1&2, KINCAID, ILLINOIS	VA 157-295	06/11/1984	FPD	B&W	
CONSUMERS POWER COMPANY, JAMES H. CAMPBELL PLANT, UNIT NO. 2, WEST OLIVE, MICHIGAN	TX 710-115	05/12/1981	FPD	B&W	
DAYTON POWER & LIGHT COMPANY, CINCINNATI GAS & ELECTRIC COMPANY, KILLEN ELECTRIC GENERATING STATION	VA 104-897	05/14/1982	FPD	B&W	

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BABCOCK COPYRIGHT LISTING

Copyright Title	Registration Number	Regist. Date	Division	Company	License
DEPARTMENT OF ELECTRIC AND WATER UTILITIES, C.D. MCINTOSH PLANT, UNIT NO. 3, CITY OF LAKELAND, FLORIDA, BABCOCK & WILCOX, RADIANT REHEAT BOILER	TX 827-464	01/07/1982	FPD	B&W	
DEPT. OF ELECTRIC AND WATER UTILITIES C.D. MCINTOSH PLAT, UNIT NO. 3 CITY OF LAKELAND, FLORIDA	TX 827-464	01/07/1982	FPD	B&W	
DUQUESNE LIGHT COMPANY ELRAMA POWER STATION, UNIT NO. 3 ELRAMA, PENNSYLVANIA	VA 161-319	05/29/1984	UPG	B&W	
DUQUESNE LIGHT COMPANY ELRAMA POWER STATION, UNITS NO. 1 & 2 ELRAMA, PENNSYLVANIA	VA 161-318	05/29/1984	UPG	B&W	
DUQUESNE LIGHT COMPANY, ELRAMA POWER STATION, UNIT NO. 4, ELRAMA, PENNSYLVANIA	VA 153-136	04/06/1984	UPG	B&W	
EL PULVERIZER MAINTENANCE MANUAL	TX 1-267-005	1/16/1984	FPD	B&W	
EL-56 PULVERIZER MAINTENANCE MANUAL FOR CITY OF GRAND HAVEN, BOARD OF POWER & LIGHT, GRAND HAVEN, MICHIGAN	TX 1-105-697	4/21/1983	FPD	B&W	
FEATHER RIVER PROJECT, MARYSVILLE, CALIFORNIA, CIRCULATING FLUID BED BOILER	VA 237-840	09/11/1986	PSI	B&W	
FEEDWATER TREATMENT FOR RB BOILERS	504-142	07/03/1980	FPD	B&W	
FLORIDA POWER CORPORATION, CRYSTAL RIVER PLANT, UNIT NO. 4, CRYSTAL RIVER, FLORIDA	VA 96-701	03/29/1982	FPD	B&W	

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BABCOCK COPYRIGHT LISTING

Copyright Title	Registration Number	Regist. Date	Division	Company	License
FOSSIL POWER GENERATION DIVISION, BABCOCK & WILCOX, B&W BAG FILTERHOUSE, BROCHURE NO. E101-3066 (this copyright is licensed to J. Ray S.A.)	TX 621-165	01/30/1981	FPD	B&W	
FOSSIL-FUEL-FIRED BOILERS: FUNDAMENTALS AND ELEMENTS *	TXu 405-775	02/16/1990	FPD	B&W	
GEORGIA-PACIFIC CORPORATION, CROSSETT ARKANSAS, PROJECT CIP-84-10A BOILER	VA 237-841	09/11/1986	PSI	B&W	
GREENWOOD MILLS, EDISTO PLANT, ORANGEBURG, SOUTH CAROLINA	TX 686-378	05/12/1981	FPD	B&W	
HAMMERMILL PAPER COMPANY, ERIE, PENNSYLVANIA, BABCOcK & WILCOX PROCESS RECOVERY BOILER	587-953	11/25/1980	FPD	B&W	
ILLINOIS POWER COMPANY, BALDWIN POWER STATION, UNIT NO. 1, BALDWIN, ILLINOIS	VA 93-347	10/22/1981	FPD	B&W	
ILLINOIS POWER COMPANY, BALDWIN POWER STATION, UNIT NO. 2, BALDWIN, ILLINOIS	VA 93-345	10/22/1981	FPD	B&W	
INTERMOUNTAIN POWER PROJECT, UNIT NO. 1, LYNNDYL, UTAH	VA 145-242	01/09/1984	FPD	B&W	
INTERNATIONAL PAPER COMPANY, MANSFIELD, LOUISIANA, BABCOCK & WILCOX STIRLING POWER BOILER	TX 741-297	06/22/1981	FPD	B&W	
INTERNATIONAL PAPER COMPANY, MANSFIELD, LOUISIANA, BABCOCK & WILCOX 900 TON BLACK LIQUOR RECOVERY BOILER	TX 660-220	03/26/1981	FPD	B&W	

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BABCOCK COPYRIGHT LISTING

Copyright Title	Registration Number	Regist. Date	Division	Company	License
IOWA-ILLINOIS GAS & ELECTRIC COMPANY, LOUISA GENERATING STATION, UNIT NO. 1, LOUISA COUNTY, IOWA	VA 93-349	10/22/1981	FPD	B&W	
KANSAS CITY POWER & LIGHT COMPANY, ST. JOSEPH LIGHT & POWER COMPANY, IATAN PLANT – UNIT NO. 1, IATAN, MO, RADIANT REHEAT BOILER TUBE METAL IDENTIFICATION	495-522	06/18/1980	FPD	B&W	
LOGICAL MACHINE	TX2-165-288	10/02/1987	PCC	B&W	
MAINTENANCE TRAINING MANUAL, MPS GEARBOX FOR ESTAL HOOGOVENS BV, IJMUIDEN, HOLLAND	TX1-105-704	04/21/1983	FPD	B&W	
MERCK & CO., INC., STONEWALL PLANT, ELKTON, VIRGINIA	VA 104-280	07/16/1982	FPD	B&W	
MICHIGAN SOUTH CENTRAL POWER AGENCY, LITCHFIELD, MICHIGAN, BABCOCK & WILCOX STIRLING POWER BOILER	VA 116-842	12/06/1982	FPD	B&W	
MICHIGAN SOUTH CENTRAL POWER AGENCY, LITCHFIELD, MICHIGAN, FLUE GAS SCRUBBER SYSTEM	VA 116-846	12/06/1982	FPD	B&W	
MIRROR ALL-METAL REFLECTIVE INSULATION VALVE AND FLANGE COVERS, BROCHURE NO. A952-3006	582-823	11/14/1980	DPS	B&W	
MONONGAHELA POWER COMPANY, WEST PENN POWER COMPANY, THE POTOMAC EDISON CO., FORT MARTIN UNIT NO. 2, MONONGAHELA, W. VA. B&W UNIVERSAL PRESSURE BOILER	504-141	07/03/1980	FPD	B&W	
MPS PULVERIZER	504-140	07/03/1980	FPD	B&W	

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BABCOCK COPYRIGHT LISTING

Copyright Title	Registration Number	Regist. Date	Division	Company	License
NEBRASKA PUBLIC POWER DISTRICT, GERALD GENTLEMAN STATION, UNIT NO. 2, SUTHERLAND, NEBRASKA, BABCOCK & WILCOX RADIANT REHEAT BOILER	TX 660-219	03/26/1981	FPD	B&W	
NETWORK PLOTTING SYSTEM	TX 76-124	07/28/1978	FPD	B&W	
NORTHERN INDIANA PUBLIC SERVICE COMPANY, ROLLIN M. SCHAHFER GENERATING STATION, UNIT NO. 14, WHEATFIELD, INDIANA, B&W UNIVERSAL PRESSURE BOILER	VA-116-845	12/06/1982	FPD	B&W	
OIL & GAS FIRED BOILER, OPERATIONS AND MAINTENANCE GUIDE	TX 1-255-647	10/17/1983	FPD	B&W	
OPERATING INSTRUCTIONS FOR THE AET MODELS 204B AND 204G MINIATURE BATTERY-POWERED ACOUSTIC EMISSIONS SYSTEMS	TX4-658-979	11/04/1997	SIDT	B&W	
OPERATOR TRAINING MANUAL EL PULVERIZER MAINTENANCE MANUAL	505-640	07/07/1980	FPD	B&W	
OPERATOR TRAINING MANUAL FOR APPLETON PAPERS, INCORPORATED, ROARING SPRINGS, PENNSYLVANIA	TX 1-105-703	04/21/1983	FPD	B&W	
OPERATOR TRAINING MANUAL FOR ASSOCIATED ELECTRIC COOPERATIVE, MOBERLY, MISSOURI	TX2-126-700	07/24/1987	DFO	B&W	
OPERATOR TRAINING MANUAL FOR AUGUSTA NEWSPRINT COMPANY, NIXON, GEORGIA	TX 1-105-705	04/21/1983	FPD	B&W	

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BABCOCK COPYRIGHT LISTING

Copyright Title	Registration Number	Regist. Date	Division	Company	License
OPERATOR TRAINING MANUAL FOR B.F.GOODRICH CHEMICAL COMPANY, LOUISVILLE, KENTUCKY	TX 787-881	10/22/1981	FPD	B&W	
OPERATOR TRAINING MANUAL FOR BLACK & VEATCH CONSULTING ENGINEERS	TX 868-573	03/12/1982	FPD	B&W	
OPERATOR TRAINING MANUAL FOR BOWATER CAROLINA COMPANY, CATAWBA, SOUTH CAROLINA	TX 868-571	03/12/1982	FPD	B&W	
OPERATOR TRAINING MANUAL FOR CAJUN ELECTRIC POWER COOPERATIVE, INC., NEW ROADS, LA	TX 1-024-037	12/06/1982	FPD	B&W	
OPERATOR TRAINING MANUAL FOR CARGILL INCORPORATED, DAYTON, OHIO	584-419	11/18/1980	FPD	B&W	
OPERATOR TRAINING MANUAL FOR CARGILL INCORPORATED, CEDAR RAPIDS PLANT, CEDAR RAPIDS, IOWA	433-699	03/04/1980	FPD	B&W	
OPERATOR TRAINING MANUAL FOR CENTRAL ILLINOIS PUBLIC SERVICE COMPANY, UNITS 1 AND 2, COFFEEN, ILLINOIS	TX 1-208-776	10/17/1983	FPD	B&W	
OPERATOR TRAINING MANUAL FOR CITY OF AMES ELECTRIC AMES, IOWA	TX 787-882	10/22/1981	FPD	B&W	
OPERATOR TRAINING MANUAL FOR CITY OF GRAND HAVEN, BOARD OF POWER & LIGHT, GRAND HAVEN, MICHIGAN	TX 1-105-706	04/21/1983	FPD	B&W	
OPERATOR TRAINING MANUAL FOR CONSUMERS POWER COMPANY, WEST OLIVE, MICHIGAN	TX 2-121-500	07/24/1987	DFO	B&W	

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BABCOCK COPYRIGHT LISTING

Copyright Title	Registration Number	Regist. Date	Division	Company	License
OPERATOR TRAINING MANUAL FOR CRA, INC., KANSAS CITY, MISSOURI	TX 68j5-278	05/08/1981	FPD	B&W	
OPERATOR TRAINING MANUAL FOR DETROIT EDISON COMPANY, BELLE RIVER POWER PLANT, CHINA TOWNSHIP, MICHIGAN	TX 1-267-004	01/16/1984	FPD	B&W	
OPERATOR TRAINING MANUAL FOR E.I. DUPONT DE NEMOURS & CO., FLORENCE, SOUTH CAROLINA	TX 1-024-039	12/06/1982	FPD	B&W	
OPERATOR TRAINING MANUAL FOR FLORIDA POWER CORPORATION, UNIT NO. 4, CRYSTAL RIVER, FLORIDA	TX 1-147-400	07/06/1983	FPD	B&W	
OPERATOR TRAINING MANUAL FOR GILMAN PAPER COMPANY, ST. MARYS, GEORGIA	TX 1-023-949	12/06/1982	FPD	B&W	
OPERATOR TRAINING MANUAL FOR GREENWOOD MILLS, INC., ORANGEBURG, SOUTH CAROLINA	TX 713-291	06/19/1981	FPD	B&W	
OPERATOR TRAINING MANUAL FOR GULF STATES UTILITIES COMPANY, BEAUMONT, TEXAS	TX1-024-035	12/06/1982	FPD	B&W	
OPERATOR TRAINING MANUAL FOR ILLINOIS POWER COMPANY, BALDWIN POWER STATION, BALDWIN, ILLINOIS	TX 879-662	03/29/1982	FPD	B&W	
OPERATOR TRAINING MANUAL FOR INTERNATIONAL PAPER COMPANY, MANSFIELD, LOUISIANA	TX 685-277	05/08/1981	FPD	B&W	

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BABCOCK COPYRIGHT LISTING

Copyright Title	Registration Number	Regist. Date	Division	Company	License
OPERATOR TRAINING MANUAL FOR INTERNATIONAL PAPER COMPANY, MANSFIELD, LOUISIANA (STERLING POWER BOILER)	TX 713-290	06/19/1981	FPD	B&W	
OPERATOR TRAINING MANUAL FOR KOREA ELECTRIC COMPANY, GOJEONG POWER PLANT, SEOUL, KOREA	TX 1-024-036	12/06/1982	FPD	B&W	
OPERATOR TRAINING MANUAL FOR MERCK & CO., INC., STONEWALL PLANT, ELKTON, VIRIGINA	TX 868-572	03/12/1982	FPD	B&W	
OPERATOR TRAINING MANUAL FOR MICHIGAN SOUTH CENTRAL POWER AGENCY, LITCHFIELD, MICHIGAN	TX 905-504	05/14/1982	FPD	B&W	
OPERATOR TRAINING MANUAL FOR NEBRASKA PUBLIC POWER DISTRICT, GERALD GENTLEMAN STATION, SUTHERLAND, NEBRASKA	TX 660-248	03/26/1981	FPD	B&W	
OPERATOR TRAINING MANUAL FOR OIL & GAS FIRED UTILITY BOILERS	TX 1-208-774	10/17/1983	FPD	B&W	
OPERATOR TRAINING MANUAL FOR PACKAGING CORPORATION OF AMERICA, FILER CITY, MICHIGAN	TX 1-145-818	07/05/1983	FPD	B&W	
OPERATOR TRAINING MANUAL FOR PENNTECH PAPERS, INC., JOHNSONBURG, PENNSYLVANIA	TX 1-024-034	12/06/1982	FPD	B&W	
OPERATOR TRAINING MANUAL FOR PENNTECH PAPERS, INC., JOHNSONBURG, PENNSYLVANIA	TX 1-145-817	07/05/1983	FPD	B&W	

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OPERATOR TRAINING MANUAL FOR PUBLIC SERVICE OF NEW HAMPSHIRE MANCHESTER, NEW HAMPSHIRE	TX 827-483	01/07/1982	FPD	B&W	
OPERATOR TRAINING MANUAL FOR REPUBLIC STEEL CORPORATION, WARREN, OHIO	TX 905-504	05/14/1982	FPD	B&W	
OPERATOR TRAINING MANUAL FOR SUNFLOWER ELECTRIC COOPERATIVE, GARDEN CITY, KANSAS	TX 1-145-816	07/05/1983	FPD	B&W	
OPERATOR TRAINING MANUAL FOR TENNECO OIL COMPANY, SWEETWATER COUNTY, WYOMING	TX 660-247	03/26/1981	FPD	B&W	
OPERATOR TRAINING MANUAL FOR THE ALABAMA POWER COMPANY, MILLER STEAM PLANT, UNIT NO. 2, WEST JEFFERSON, ALABAMA	TX 1-267-006	01/16/1984	FPD	B&W	
OPERATOR TRAINING MANUAL FOR THE FM PACKAGE BOILER	TX 1-208-775	10/17/1983	FPD	B&W	
OPERATOR TRAINING MANUAL FOR TOLEDO EDISON COMPANY BAYSHORE STATION OREGON, OHIO	TX 1-145-815	07/05/1983	FPD	B&W	
OPERATOR TRAINING MANUAL FOR TOLEDO EDISON COMPANY BAYSHORE STATION TOLEDO, OHIO	TX 1-024-038	12/06/1982	FPD	B&W	
OPERATOR TRAINING MANUAL FOR UNIVERSITY OF NORTHERN IOWA, CEDAR FALLS, IOWA	TX 433-231	03/14/1980	FPD	B&W	
OPERATOR TRAINING MANUAL FOR UTAH POWER & LIGHT COMPANY HUNTER STATION UNITS 3&4 CASTLE DALE, UTAH	TX 1-105-698	04/21/1983	FPD	B&W	

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OPERATOR TRAINING MANUAL FOR WESTERN FARMERS ELECTRIC COOPERATIVE, FT. TOWSON, OKLAHOMA	TX 2-121-504	07/24/1987	FPD	B&W	
OPERATOR TRAINING MANUAL FOR WESTERN KRAFT PAPER GROUP	TX 685-276	05/08/1981	FPD	B&W	
OPERATOR TRAINING MANUAL FOR WISCONSIN POWER & LIGHT EDGEWATER GENERATING STATION, SHEBOYGAN, WISCONSIN	TX 1-208-683	10/17/1983	FPD	B&W	
OPERATOR TRAINING MANUAL FOR JACKSONVILLE ELECTRIC AUTHORITY, NORTHSIDE GENERATING STATION, JACKSONVILLE, FL.	587-160	11/24/1980	FPD	B&W	
OPERATOR TRAINING MANUAL, BALTIMORE GAS & ELECTRIC COMPANY, BALTIMORE, MARYLAND	504-105	07/03/1980	FPD	B&W	
OPERATOR TRAINING MANUAL, BALTIMORE GAS & ELECTRIC COMPANY, BALTIMORE, MARYLAND	502-894	07/02/1980	FPD	B&W	
OPERATOR TRAINING MANUAL, CITY OF LAKELAND, FL.	TX 787-883	10/22/1981	FPD	B&W	
OPERATOR TRAINING MANUAL, IOWA-ILLINOIS GAS & ELECTRIC COMPANY, LOUISA GENERATING STATION MUSCATINE, IOWA	TX 827-334	01/06/1982	FPD	B&W	
OPERATOR TRAINING MANUAL, PUBLIC SERVICE CO. OF NEW MEXICO UNITS 3&4 SAN JUAN STATION WATERFLOW, NM	TX 827-335	01/06/1982	FPD	B&W	

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OPERATOR TRAINING MANUAL, SAN MIGUEL ELECTRIC COOPERATIVE, SAN MIGUEL PLANT, CHRISTINE, TEXAS	TX 543-600	07/07/1980	FPD	B&W	
PACKAGING CORPORATION OF AMERICA FILER CITY, MICHIGAN	VA 122-780	03/28/1983	FPD	B&W	
PDD-1000 PARTIAL DISCHARGE DETECTOR OPERATOR'S GUIDE	TX4-658-842	11/04/1997	SIDT	B&W	
PENNSYLVANIA ELECTRIC COMPANY, NEW YORK ELECTRIC AND GAS COMPANY, HOMER CITY STATION UNIT NO. 3, HOMER CITY, PA	467-228	03/05/1980	FPD	B&W	
PENNTECH PAPERS, INC., UNITS 81&82, JOHNSONBURG, PENNSYLVANIA	VA 122-775	03/28/1983	FPS	B&W	
PORTABLE ALL ACOUSTIC LEAK LOCATOR MODEL LD-180P OPERATING MANUAL	TX4-660-370	11/04/1997	SIDT	B&W	
POTOMAC ELECTRIC POWER COMPANY GENERATING STATION "E"- UNITS NO. 1 AND 2 CHALK POINT, MARYLAND	VA 122-778	03/28/1983	FPD	B&W	
PUBLIC SERVICE COMPANY OF NEW MEXICO, SAN JUAN STATION, UNIT NOS. 3&4, WATERFLOW, NEW MEXICO	VA 198-897	08/19/1985	PSI	B&W	
PUBLIC SERVICE COMPANY OF NEW MEXICO, SAN JUAN, UNIT NOS. 3&4, WATERLFOW, NEW MEXICO	VA 93-350	10/22/1981	FPD	B&W	
QUEENSLAND NICKEL PTY., LTD. YABULU, QUEENSLAND, AUSTRALIA (TECHNICAL DRAWING)	VA 104-281	07/16/1982	FPD	B&W	

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RB555, THE CINCINNATI GAS & ELECTRIC COMPANY, THE DAYTON POWER & LIGHT COMPANY, EAST BEND STATION, UNIT NO. 2, RABBIT, KENTUCKY	VA 198-895	08/19/1985	FPD	B&W	
REPUBLIC STEEL CORPORATION, MAHONING VALLEY PLANT, WARREN, OHIO	VA 104-470	05/14/1982	FPD	B&W	
ROUTE SHEET GENERATIVE PROGRAM	409,561	10/07/1991	BWCN	BWIL	
SAN MIGUEL ELECTRIC POWER COOPERATIVE, INC., SAN MIGUEL PLANT, UNIT NO. 1, CHRISTINE, TEXAS B&W RADIANT REHEAT BOILER	495-613	06/18/1980	FPD	B&W	
SECONDARY AIR HEATER, DETROIT EDISON COMPANY, BELLE RIVER POWER PLANT	VA 154-188	05/03/1984	FPD	B&W	
SIERRA PACIFIC POWER COMPANY, NORTH VALMY STATION, UNIT NO. 1, VALMY, NEVADA B&W RADIANT REHEAT BOILER	VA-116-844	12/06/1982	FPD	B&W	
SO2 REMOVAL PROJECT FOR ARIZONA PUBLIC SERVICE COMPANY FOUR CORNERS UNITS 4&5 FRUITLAND, NEW MEXICO	TX 1-267-003	01/16/1984	FPD	B&W	
STEAM	TX3-820289	03/08/1994	FPD	B&W	
STEAM, ITS GENERATION AND USE	TX3-820-289	03/08/1994	FPD	B&W	
TECHNICAL PROPOSAL TO JACKSONVILLE ELECTRIC AUTHORITY (PURCHASER) FOR REHEATER PURCHASE AT NORTHSIDE UNIT NO. 1 (ORIGINAL UP-34)	TX2-380-986	08/18/1988	FPD	B&W	

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TEXAS UTILITIES SERVICES, INC. MONTICELLO STEAM ELECTRIC STATION UNIT NO. 3, MT. PLEASANT, TEXAS BABCOCK & WILCOX UNIVERSAL PRESSURE BOILER	TX-660-218	03/26/1981	FPD	B&W	
THE DETROIT EDISON CO. BELLE RIVER POWER PLANT ST. CLAIR MICHIGAN	VA 161-320	05/29/1984	RDD	MTI	
THE DETROIT EDISON COMPANY, BELLE RIVER POWER PLANT, UNITS NOS. 1 & 2, ST. CLAIR, MICHIGAN	VA 145-244	01/09/1984	FPD	B&W	
THE OHIO EDISON COMPANY, W.H. SAMMIS PLANT, UNIT NO. 5, STRATTON, OHIO	VA 198-894	08/19/1985	FPD	B&W	
TUBE METAL IDENTIFICATION, INTERMOUNTAIN POWER PROJECT, UNIT NO. 1, LYNNDYL, UTAH	VA 145-241	01/09/1984	FPD	B&W	
TUBE METAL IDENTIFICATION, NORTHERN INDIANA PUBLIC SERVICE COMPANY, ROLLIN M. SCHAHFER GENERATING STATION, UNIT NO. 14 WHEATFIELD, ILLINOIS	VA 137-557	10/17/1983	FPD	B&W	
TUBE METAL IDENTIFICATION, THE CLEVELAND ELECTRIC ILLUMINATING COMPANY, AVON LAKE PLANT – UNIT NO. 9, AVON LAKE, OHIO	VA 198-550	08/16/1985	FPD	B&W	
TUBE METAL IDENTIFICATION, THE DETROIT EDISON COMPANY BELLE RIVER PLANT, UNIT NOS. 1 & 2 ST. CLAIR, MICHIGAN	VA 145-243	01/09/1984	FPD	B&W	

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TUBE METAL IDENTIFICATION, WISCONSIN POWER & LIGHT COMPANY, EDGEWATER GENERATING STATION, UNIT NO. 5 SHEBOYGAN, WISCONSIN	VA 122-774	03/28/1983	FPD	B&W	
UNIVERSITY OF NORTHERN IOWA PLANT NO. 2, UNIT NO. 3 CEDAR FALLS, IOWA	TX 467-229	03/05/1980	FPD	B&W	
USEFUL TABLES	TX 35-729	05/09/1978	FPD	B&W	
UTAH POWER & LIGHT, HUNTER STATION, UNITS NO. 3 & 4, CASTLEDALE, UTAH	VA 122-773	03/28/1983	FPD	B&W	
UTILITY MAINTENANCE GUIDE FOR WESTERN FARMERS ELECTRIC COOPERATIVE, FT. TOWSON, OKLAHOMA	TX2-122-729	07/24/1987	DFO	B&W	
WESTERN FARMERS ELECTRIC COOPERATIVE, HUGO PLANT – UNIT NO. 1, HUGO, OKLAHOMA, BABCOCK & WILCOX RADIANT REHEAT BOILER	TX 741-298	06/22/1981	FPD	B&W	
WISCONSIN POWER & LIGHT COMPANY, EDGEWATER GENERATING STATION, UNIT NO. 5, SHEBOYGAN, WISCONSIN	VA 122-779	03/28/1983	FPD	B&W	
544083E- 01 - Technical Drawing	VAu627-668	06/08/04	BWSC	B&W	
544084E-01 - Technical Drawing	VAu632-091	06/08/04	BWSC	B&W	
544085E-01 - Technical Drawing	VAu641-537	06/08/04	BWSC	B&W	
544086E-01 - Technical Drawing	VAu627-669	06/08/04	BWSC	B&W	
5440873-01 - Technical Drawing	VAu627-667	06/08/04	BWSC	B&W	
544088E-01 - Technical Drawing	VAu641-538	06/08/04	BWSC	B&W	
544497E-00 - Technical Drawing	VAu632-111	06/24/04	BWSC	B&W	

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