

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PATI494366

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

CONVEYING PARTY DATA

Name	Execution Date
MSD PCOF PARTNERS XLV, LLC	08/30/2024

RECEIVING PARTY DATA

Company Name:	The Babcock & Wilcox Company
Street Address:	1200 E. Market Street
Internal Address:	Suite 650
City:	Akron
State/Country:	OHIO
Postal Code:	44305
Company Name:	Diamond Power international, LLC
Street Address:	1200 E. Market Street
Internal Address:	Suite 650
City:	Akron
State/Country:	OHIO
Postal Code:	44305
Company Name:	Americon LLC
Street Address:	1200 E. Market Street
Internal Address:	Suite 650
City:	Akron
State/Country:	OHIO
Postal Code:	44305

PROPERTY NUMBERS Total: 153

Property Type	Number
Patent Number:	6613133
Patent Number:	6887435
Patent Number:	6874715
Patent Number:	6454824
Patent Number:	6609483
Patent Number:	6495268
Patent Number:	6800149

Property Type	Number
Patent Number:	6273030
Patent Number:	6532905
Patent Number:	6485174
Patent Number:	6748880
Patent Number:	6967005
Patent Number:	6655397
Patent Number:	6764030
Patent Number:	6782902
Patent Number:	6609669
Patent Number:	6852945
Patent Number:	6783091
Patent Number:	6951454
Patent Number:	6695018
Patent Number:	7021248
Patent Number:	6338306
Patent Number:	6869459
Patent Number:	7275589
Patent Number:	7243619
Patent Number:	7182045
Patent Number:	7028926
Patent Number:	7100521
Patent Number:	8114359
Patent Number:	7832366
Patent Number:	7282087
Patent Number:	7392751
Patent Number:	7475645
Patent Number:	6925969
Patent Number:	7493876
Patent Number:	7637699
Patent Number:	7926432
Patent Number:	7901647
Patent Number:	7931710
Patent Number:	8607718
Patent Number:	8113824
Patent Number:	7587996
Patent Number:	7721680
Patent Number:	7615086
Patent Number:	7587995

Property Type	Number
Patent Number:	7735435
Patent Number:	7585476
Patent Number:	7464669
Patent Number:	7559294
Patent Number:	7730908
Patent Number:	7637233
Patent Number:	8684070
Patent Number:	8136544
Patent Number:	7842251
Patent Number:	7842113
Patent Number:	9192889
Patent Number:	10208951
Patent Number:	8795416
Patent Number:	8001788
Patent Number:	8042497
Patent Number:	8327809
Patent Number:	8635976
Patent Number:	9212816
Patent Number:	8176883
Patent Number:	8350176
Patent Number:	8047162
Patent Number:	8240049
Patent Number:	8453585
Patent Number:	8413967
Patent Number:	8777190
Patent Number:	8136851
Patent Number:	9194609
Patent Number:	8991323
Patent Number:	8561557
Patent Number:	8716169
Patent Number:	9874350
Patent Number:	8286595
Patent Number:	7865996
Patent Number:	8795618
Patent Number:	8277726
Patent Number:	6540812
Patent Number:	6611440
Patent Number:	7704302

Property Type	Number
Patent Number:	8007566
Patent Number:	8404020
Patent Number:	8328907
Patent Number:	8303919
Patent Number:	9242211
Patent Number:	9989244
Patent Number:	9874346
Patent Number:	8691719
Patent Number:	8821823
Patent Number:	9481837
Patent Number:	9345992
Patent Number:	9327250
Patent Number:	10213738
Patent Number:	9377191
Patent Number:	10589226
Patent Number:	9920955
Patent Number:	8671890
Patent Number:	9458838
Patent Number:	9939178
Patent Number:	10124968
Patent Number:	10478775
Application Number:	16116272
Patent Number:	10471384
Patent Number:	10215399
Application Number:	15868466
Patent Number:	7452403
Patent Number:	8056229
Patent Number:	9896308
Patent Number:	10018431
Patent Number:	9802140
Patent Number:	9375718
Patent Number:	8915679
Patent Number:	7637002
Application Number:	16779750
Patent Number:	10653996
Application Number:	16850673
Application Number:	16445721
Application Number:	17332894

Property Type	Number
Patent Number:	9902615
Application Number:	63145601
Application Number:	63076665
Patent Number:	6718915
Patent Number:	7430970
Patent Number:	8522729
Patent Number:	9221009
Patent Number:	8807991
Patent Number:	8092766
Patent Number:	7993615
Patent Number:	9127857
Patent Number:	9273884
Patent Number:	8828340
Patent Number:	9366458
Patent Number:	10197267
Patent Number:	8802043
Patent Number:	10018356
Patent Number:	8715600
Patent Number:	9933154
Patent Number:	9192890
Patent Number:	9097158
Patent Number:	10471386
Patent Number:	10429062
Patent Number:	10429061
Patent Number:	10415825
Patent Number:	10253972
Patent Number:	10234169
Patent Number:	10144661
Patent Number:	10113536
Patent Number:	9901856
Patent Number:	10987626
Patent Number:	10415819

CORRESPONDENCE DATA

Fax Number: 4045725100

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.

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Address Line 4:	Atlanta, GEORGIA 30309

ATTORNEY DOCKET NUMBER:	28393.515001
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NAME OF SUBMITTER:	Angela Olchaskey
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SIGNATURE:	Angela Olchaskey
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DATE SIGNED:	09/13/2024
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	This document serves as an Oath/Declaration (37 CFR 1.63).
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Total Attachments: 16

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RELEASE OF SECURITY INTERESTS IN PATENTS

This RELEASE OF SECURITY INTERESTS IN PATENTS (this "Release"), dated as of this 30th day of August 2024 (the "Effective Date"), is made by MSD PCOF PARTNERS XLV, LLC (the "Agent"), in favor of The Babcock & Wilcox Company, a Delaware corporation, Babcock & Wilcox SPIG, Inc., a New Jersey corporation, Babcock & Wilcox Technology, LLC, a Delaware limited liability company, and Diamond Power International, LLC, a Delaware limited liability company (each a "Grantor" and collectively the "Grantors").

WHEREAS, pursuant to that certain Notice of Grant of Security Interest in Patents, dated as of June 30, 2021, executed by Grantors in favor of Agent and recorded with the United States Patent and Trademark Office (the "USPTO") on July 22, 2021 at Reel/Frame 056962/0486, and the Reimbursement, Guaranty and Security Agreement referred to therein, the Grantors granted to the Agent a continuing security interest in and continuing lien upon the patents and patent applications listed on Schedule 1 attached hereto (the "Patents"); and

WHEREAS, the Grantors have requested that the Agent release and the Agent has agreed to release the liens and security interests granted to the Agent by the Grantors with respect to the Patents.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Agent hereby agrees as follows:


1. Release. The Agent, without representation or warranty of any kind, hereby releases, discharges, terminates and cancels all of its security interests in and continuing lien upon the Patents and reassigns to the Grantors any and all such right, title and interest that it may have in the Patents. The Agent authorizes and requests that the USPTO and any applicable government officer note and record the release hereby given and any other filings necessary to evidence the release of the Agent's rights with respect to the Patents.

2. Governing Law. This Release and all matters relating hereto or arising herefrom (whether arising under contract law, tort law or otherwise) shall, in accordance with Section 5-1401 of the General Obligations Law of the State of New York, be governed by and construed in accordance with the laws of the State of New York.

[Signature page follows]

IN WITNESS WHEREOF, the Agent has caused this Release to be executed by its duly authorized representative as of the Effective Date:

MSD PCOF PARTNERS XLV, LLC

By: 
Name: Marcello Liguori
Title: Vice President

SCHEDULE 1

PATENTS

Patent Title	Owner/Current Assignee	Application Number	Application/Filing Date	Patent Number	Issue Date
SINGLE SPRAY LEVEL FOR FLUE GAS DESULFURIZATION SYSTEM WITH INTERNAL MAIN FEED HEADERS	The Babcock & Wilcox Company	09/969333	01-Oct-2001	6613133	02-Sep-2003
INTEGRATED AIR FOIL AND AMMONIA INJECTION GRID FOR SCR SYSTEM	The Babcock & Wilcox Company	09/602483	23-Jun-2000	6887435	03-May-2005
EL TYPE PULVERIZERS	The Babcock & Wilcox Company	09/698558	27-Oct-2000	6874715	05-Apr-2005
CFB IMPACT TYPE PARTICLE COLLECTION ELEMENTS ATTACHED TO COOLED SUPPORTS	The Babcock & Wilcox Company	09/865332	25-May-2001	6454824	24-Sep-2002
SYSTEM FOR CONTROLLING FLUE GAS EXIT TEMPERATURE FOR OPTIMAL SCR OPERATIONS	The Babcock & Wilcox Company	10/085715	27-Feb-2002	6609483	26-Aug-2003
TAPERED CORROSION PROTECTION OF TUBES AT MUD DRUM LOCATION	The Babcock & Wilcox Company	09/670897	28-Sep-2000	6495268	17-Dec-2002
TAPERED CORROSION PROTECTION OF TUBES AT MUD DRUM LOCATION	The Babcock & Wilcox Company	10/284625	31-Oct-2002	6800149	05-Oct-2004
SPACER BAR WITH TUBE SLEEVE AND TAB	The Babcock & Wilcox Company	09/680725	06-Oct-2000	6273030	14-Aug-2001
CFB WITH CONTROLLABLE IN-BED HEAT EXCHANGER	The Babcock & Wilcox Company	09/906993	17-Jul-2001	6532905	18-Mar-2003
ATTACHABLE HEAT FLUX MEASURING DEVICE	The Babcock & Wilcox Company	09/697866	27-Oct-2000	6485174	18-Mar-2003

Patent Title	Owner/Current Assignee	Application Number	Application/Filing Date	Patent Number	Issue Date
BOILER INTERNAL FLUE GAS BY-PASS DAMPER FOR FLUE GAS TEMPERATURE CONTROL	The Babcock & Wilcox Company	10/024874	19-Dec-2001	6748880	15-Jun-2004
CIRCULATING FLUIDIZED BED REACTOR WITH SELECTIVE CATALYTIC REDUCTION	The Babcock & Wilcox Company	09/958622	07-Jan-2002	6967005	22-Nov-2005
ARTICULATING WATER MONITOR CLEANING DEVICE	Diamond Power International, LLC	10/036173	26-Dec-201	6655397	02-Dec-2003
SOOTBLOWER NOZZLE ASSEMBLY WITH AN IMPROVED DOWNSTREAM NOZZLE	Diamond Power International, LLC	10/039430	02-Jan-2002	6764030	20-Jul-2004
SOOTBLOWER LANCE TUBE FOR DUAL CLEANING MEDIA	Diamond Power International, LLC	10/049303	05-Feb-2002	6782902	31-Aug-2004
HYDRAULIC LOADING SYSTEM FOR BALL AND RING PULVERIZERS	The Babcock & Wilcox Company	09/948823	07-Sep-2001	6609669	26-Aug-2003
LASER WELDED BOILER TUBE WALL PANELS	The Babcock & Wilcox Company	10/175297	19-Jun-2002	6852945	08-Feb-2005
TWO-FLUTED HOUSING LINER	The Babcock & Wilcox Company	10/056825	25-Jan-2002	6783091	31-Aug-2004
DUAL FUEL BURNER FOR A SHORTENED FLAME AND REDUCED POLLUTANT EMISSIONS	The Babcock & Wilcox Company	10/443287	21 -May-2003	6951454	04-Oct-2005
IMPROVED COLLECTION SCOOP FOR FGD BLEED STREAM OR EX SITU OXIDATION	The Babcock & Wilcox Company	10/166589	10-Jun-2002	6695018	24-Feb-2004
PASSIVE SYSTEM FOR OPTIMAL NO _x REDUCTION VIA SELECTIVE CATALYTIC REDUCTION	The Babcock & Wilcox Company	10/236854	06-Sep-2002	7021248	04-Apr-2006

Patent Title	Owner/Current Assignee	Application Number	Application/Filing Date	Patent Number	Issue Date
ASH HANDLING SYSTEM	Diamond Power International, LLC	18-Oct-2000	09/691562	6338306	15-Jan-2002
IMPACT TYPE PARTICLE SEPARATOR MADE OF MUTUALLY INVERTED U-SHAPED ELEMENTS	The Babcock & Wilcox Company	10/447688	29-May-2003	6869459	22-Mar-2005
ANTI-VIBRATION BARS FOR BOILER TUBES WITH PROTECTIVE SHIELDS	The Babcock & Wilcox Company	10/802688	17-Mar-2004	7275589	02-Oct-2007
DUAL PRESSURE RECOVERY BOILER	The Babcock & Wilcox Company	10/969125	20-Oct-2004	7243619	17-Jul-2007
SPLIT RING CASTING FOR BOILER TUBES WITH TUBE SHIELDS	The Babcock & Wilcox Company	10/802474	17-Mar-2004	7182045	27-Feb-2007
SOOTBLOWER NOZZLE ASSEMBLY WITH NOZZLES HAVING DIFFERENT GEOMETRIES	Diamond Power International, LLC	10/808047	24-Mar-2004	7028926	18-Apr-2006
BAFFLE FOR INCREASED CAPTURE OF POPCORN ASH IN ECONOMIZER HOPPERS	The Babcock & Wilcox Company	11/033085	10-Jan-2005	7100521	05-Sep-2006
SNCR DISTRIBUTION GRID	The Babcock & Wilcox Company	11/577171	12-Nov-2008	8114359	14-Feb-2012
SOOTBLOWER FRAME ASSEMBLY	Diamond Power International, LLC	10/561569	20-Dec-2005	7832366	16-Nov-2010
WETTED PARTICLE AND DROPLET IMPINGEMENT	The Babcock & Wilcox Company	10/948478	23-Sep-2004	7282087	16-Oct-2007
PORT RODDER WITH VELOCITY DAMPER	Diamond Power International, LLC	11/138574	26-May-2005	7392751	01-Jul-2008
RETRACTABLE LIQUOR GUN FOR A RECOVERY FURNACE	Diamond Power International, LLC	11/138044	26-May-2005	7475645	13-Jan-2009

Patent Title	Owner/Current Assignee	Application Number	Application/Filing Date	Patent Number	Issue Date
BOILER WALL BOX COOLING SYSTEM	Diamond Power International, LLC	10/876132	24-Jun-2004	6925969	09-Aug-2005
PASSIVE MIXING DEVICE FOR STAGED COMBUSTION OF GASEOUS BOILER FUELS	The Babcock & Wilcox Company	11/775919	11-Jul-2007	7493876	24-Feb-2009
STEAM/WATER CONICAL CYCLONE SEPARATOR	The Babcock & Wilcox Company	11/753335	05-Jul-2007	7637699	29-Dec-2009
LOW NO _x CYCLONE FURNACE STEAM GENERATOR	The Babcock & Wilcox Company	11/720506	25-Jan-2008	7926432	19-Apr-2011
ENHANCEMENT OF CONVENTIONAL SCR AND SNCR PROCESSES WITH AMMONIA DESTRUCTION CATALYST	The Babcock & Wilcox Company	12/098623	07-Apr-2008	7901647	08-Mar-2011
STEAM GENERATOR TO CONTAIN AND COOL SYNTHESIS GAS	The Babcock & Wilcox Company	11/191183	27-Jul-2005	7931710	26-Apr-2011
RECOVERY BOILER COMBUSTION AIR SYSTEM WITH INTERMEDIATE AIR PORTS VERTICALLY ALIGNED WITH MULTIPLE LEVELS OF TERTIARY AIR PORTS	The Babcock & Wilcox Company	11/694125	30-Mar-2007	8607718	17-Dec-2013
LARGE DIAMETER MID-ZONE AIR SEPARATION CONE FOR EXPANDING IRZ	The Babcock & Wilcox Company	11/444779	01-Jun-2006	8113824	14-Feb-2012
CIRCULATION SYSTEM FOR SLIDING PRESSURE STEAM GENERATOR	The Babcock & Wilcox Company	11/448648	07-Jun-2006	7587996	15-Sep-2009
LINK TYPE SEISMIC TIE FOR BOILERS	The Babcock & Wilcox Company	11/743722	03-May-2007	7721680	25-May-2010
ASSEMBLY FOR ASH SEPARATION FROM FLUE GAS	The Babcock & Wilcox Company	11/711509	27-Feb-2007	7615086	10-Nov-2009
RADIANT SYNGAS COOLER	The Babcock &	11/588045	26-Oct-2006	7587995	15-Sep-

Patent Title	Owner/Current Assignee	Application Number	Application/Filing Date	Patent Number	Issue Date
	Wilcox Company				2009
APPARATUS FOR CLEANING A SMELT SPOUT OF A COMBUSTION DEVICE (BLADERUNNER)	Diamond Power International, LLC	11/439674	24-May-2006	7735435	15-Jun-2010
PROCESS FOR CONTROLLING THE MOISTURE CONCENTRATION OF A COMBUSTION FLUE GAS	The Babcock & Wilcox Company	11/733942	11-Apr-2007	7585476	08-Sep-2009
INTEGRATED FLUIDIZED BED ASH COOLER	The Babcock & Wilcox Company	11/406765	19-Apr-2006	7464669	16-Dec-2008
END SUPPORT CONFIGURATION FOR STEAM TUBES OF A SUPERHEATER OR REHEATER	The Babcock & Wilcox Company	11/740340	26-Apr-2007	7559294	14-July-2009
SELF SUPPORTING REINFORCED HEADER PIPE	The Babcock & Wilcox Company	11/686437	15-Mar-2007	7730908	08-Jun-2010
MULTIPLE PASS ECONOMIZER AND METHOD FOR SCR TEMPERATURE CONTROL	The Babcock & Wilcox Company	11/542413	03-Oct-2006	7637233	29-Dec-2009
COMPACT RADIAL PLATEN ARRANGEMENT FOR RADIANT SYNGAS COOLER	The Babcock & Wilcox Company	11/839285	15-Aug-2007	8684070	01-Apr-2014
SEALING ARRANGEMENT WITH A SEGMENTED SEAL AND PRESSURE RELIEF	The Babcock & Wilcox Company	11/839357	15-Aug-2007	8136544	20-Mar-2012
CATALYST PARTICULATE DIVERTER	The Babcock & Wilcox Company	11/851443	07-Sep-2007	7842251	30-Nov-2010
EXTENDED WATER LEVEL RANGE STEAM/ WATER CONICAL CYCLONE SEPARATOR	The Babcock & Wilcox Company	11/857898	19-Sep-2007	7842113	30-Nov-2010
BOTTOM ASH INJECTION FOR ENHANCING SPRAY DRYER ABSORBER PERFORMANCE	The Babcock & Wilcox Company	11/854781	13-Sep-2007	9192889	24-Nov-2015

Patent Title	Owner/Current Assignee	Application Number	Application/Filing Date	Patent Number	Issue Date
SPRAY DRYER ABSORBER AND RELATED PROCESSES	The Babcock & Wilcox Company	11/854795	13-Sep-2007	10208951	19-Feb-2019
SEGREGATED IN-SITU FORCED OXIDATION WET FLUE GAS DESULFURIZATION FOR OXYGEN-FIRED FOSSIL FUEL COMBUSTION	The Babcock & Wilcox Company	12/577456	12-Oct-2009	8795416	05-Aug-2014
METHOD AND APPARATUS FOR PREPARING PULVERIZED COAL USED TO PRODUCE SYNTHESIS GAS	The Babcock & Wilcox Company	12/060459	01-Apr-2008	8001788	23-Aug-2011
STEAM GENERATOR ARRANGEMENT	The Babcock & Wilcox Company	12/101513	11-Apr-2008	8042497	25-Oct-2011
TRI-SECTOR REGENERATIVE OXIDANT PREHEATER FOR OXY-FIRED PULVERIZED COAL COMBUSTION	The Babcock & Wilcox Company	12/169168	08-Jul-2008	8327809	11 -Dec-2012
ECONOMIZER ARRANGEMENT FOR STEAM GENERATOR	BABCOCK & WILCOX POWER GENERATION GROUP, INC.	11/750271	17-May-2007	8635976	28-Jan-2014
ECONOMIZER ARRANGEMENT FOR STEAM GENERATOR	The Babcock & Wilcox Company	14/155398	15-Jan-2014	9212816	15-Dec-2015
RETRACTABLE ARTICULATING ROBOTIC SOOTBLOWER	Diamond Power International, LLC	12/393441	26-Feb-2009	8176883	15-May-2012
METHOD OF FORMING, INSERTING AND PERMANENTLY BONDING RIBS IN BOILER TUBES	The Babcock & Wilcox Company	12/134295	06-Jun-2008	8350176	08-Jan-2013
BLACK PLANT STEAM FURNACE INJECTION	The Babcock & Wilcox Company	12/175102	17-Jul-2008	8047162	01 -Nov-2011
TUBE STUB REMOVAL APPARATUS	The Babcock & Wilcox	12/354468	15-Jan-2009	8240049	14-Aug-2012

Patent Title	Owner/Current Assignee	Application Number	Application/Filing Date	Patent Number	Issue Date
	Company				
OXY-COMBUSTION COAL FIRED BOILER AND METHOD OF TRANSITIONING BETWEEN AIR AND OXYGEN FIRING	The Babcock & Wilcox Company	12/422685	13-Apr-2009	8453585	04-Jun-2013
WET SCRUBBER TRAY	The Babcock & Wilcox Company	12/484187	13-Jun-2009	8413967	09-Apr-2013
WET SCRUBBER TRAY	The Babcock & Wilcox Company	13/797003	12-Mar-2013	8777190	15-Jul-2014
ACCESS DOOR WITH INSIDE LATCH RELEASE	The Babcock & Wilcox Company	12/357743	22-Jan-2009	8136851	20-Mar-2012
SHOP-ASSEMBLED SOLAR RECEIVER HEAT EXCHANGER	The Babcock & Wilcox Company	12/605241	23-Oct-2009	9194609	24-Nov-2015
BLADED BULLET COAL DIFFUSER WITH COAL LINE BALANCING DEVICE	The Babcock & Wilcox Company	12/614480	09-Nov-2009	8991323	31-Mar-2015
PRIMARY OXIDANT FEED TO OXY-FIRED CIRCULATING FLUIDIZED BED (CFB)	The Babcock & Wilcox Company	12/571187	30-Sep-2009	8561557	22-Oct-2013
SYSTEM AND METHOD FOR PROTECTION OF SCR CATALYST AND CONTROL OF MULTIPLE EMISSIONS	The Babcock & Wilcox Company	12/691527	21-Jan-2010	8716169	06-May-2014
SYSTEM AND METHOD FOR PROTECTION OF SCR CATALYST AND CONTROL OF MULTIPLE EMISSIONS	The Babcock & Wilcox Company	14/246380	07-Apr-2014	9874350	23-Jan-2018
INTEGRATED SPLIT STREAM WATER COIL AIRHEATER & ECONOMIZER (IWE)	The Babcock & Wilcox Company	12/581637	16-Oct-2009	8286595	16-Oct-2012
SOOTBLOWER WITH PROGRESSIVE CLEANING ARC	Diamond Power International, Inc.	12/642210	18-Dec-2009	7865996	11-Jan-2011
CHEMICAL SOLVENTS FOR THE REMOVAL OF CARBON	The Babcock & Wilcox	13/069204	22-Mar-2011	8795618	05-Aug-

Patent Title	Owner/Current Assignee	Application Number	Application/Filing Date	Patent Number	Issue Date
DIOXIDE FROM FLUE GASES	Company				2014
HYBRID WATER TREATMENT FOR HIGH TEMPERATURE STEAM GENERATORS	The Babcock & Wilcox Company	12/725777	17-Mar-2010	8277726	02-Oct-2012
METHOD AND SYSTEM FOR IMPROVED RAPPER CONTROL	The Babcock & Wilcox Company	09/900082	06-Jul-2001	6540812	01-Apr-2003
AN APPARATUS AND METHOD FOR FILTERING VOLTAGE FOR AN ELECTROSTATIC PRECIPITATOR	The Babcock & Wilcox Company	10/063099	19-Mar-2002	6611440	26-Aug-2003
AN ELECTROSTATIC PRECIPITATOR HAVING A SPARK CURRENT LIMITING RESISTORS AND METHOD FOR LIMITING SPARKING	The Babcock & Wilcox Company	11/679513	27-Feb-2007	7704302	27-Apr-2010
AN ELECTROSTATIC PRECIPITATOR HAVING A SPARK CURRENT LIMITING RESISTORS AND METHOD FOR LIMITING SPARKING	The Babcock & Wilcox Company	12/760820	15-Apr-2010	8007566	30-Aug-2011
SYSTEMS AND METHODS FOR MONITORING A RAPPING PROCESS	The Babcock & Wilcox Company	12/203713	03-Sep-2008	8404020	26-Mar-2013
COLLECTING PLATE CLEANING USING A RESONANT FREQUENCY WAVE APPLICATION	The Babcock & Wilcox Company	12/640253	17-Dec-2009	8328907	11-Dec-2012
SYSTEM AND METHOD FOR PROTECTION OF SCR CATALYST AND CONTROL OF MULTIPLE EMISSIONS	The Babcock & Wilcox Company	12/909753	21-Oct-2010	8303919	06-Nov-2012
CATALYSTS POSSESSING AN IMPROVED RESISTANCE TO POISONING	The Babcock & Wilcox Company	13/190105	25-Jul-2011	9242211	26-Jan-2016
FURNACE COOLING BY STEAM AND AIR INJECTION	The Babcock & Wilcox Company	15/057345	01-Mar-2016	9989244	05-Jun-2018
ADVANCED ULTRA SUPERCRITICAL STEAM	The Babcock & Wilcox	14/044900	03-Oct-2013	9874346	23-Jan-

Patent Title	Owner/Current Assignee	Application Number	Application/Filing Date	Patent Number	Issue Date
GENERATOR	Company				2018
SYSTEM AND METHOD FOR INCREASING THE SERVICE LIFE AND/OR CATALYTIC ACTIVITY OF AN SCR CATALYST AND CONTROL OF MULTIPLE EMISSIONS	The Babcock & Wilcox Company	13/117332	27-May-2011	8691719	08-Apr-2014
DRY SORBENT INJECTION DURING NON-STEADY STATE CONDITIONS IN DRY SCRUBBER	The Babcock & Wilcox Company	13/548150	12-Jul-2012	8821823	02-Sep-2014
CHEMICAL LOOPING PROCESSES FOR PARTIAL OXIDATION OF CARBONACEOUS FUELS	The Babcock & Wilcox Company	13/835676	15-Mar-2013	9481837	01-Nov-2016
REMOTE SUBMERGED CHAIN CONVEYOR	Diamond Power International, LLC	14/776800	15-Sep-2015	9345992	24-May-2016
FLUIDIZING NOZZLE OR BUBBLE CAP ASSEMBLY FOR AIR DISTRIBUTION GRID	The Babcock & Wilcox Company	14/272113	07-May-2014	9327250	03-May-2016
SYSTEM AND METHOD FOR INCREASING THE SERVICE LIFE AND/OR CATALYTIC ACTIVITY OF AN SCR CATALYST AND CONTROL OF MULTIPLE EMISSIONS	The Babcock & Wilcox Company	13/769686	18-Feb-2013	10213738	26-Feb-2019
BURNER WITH FLAME STABILIZING/CENTER AIR JET DEVICE FOR LOW QUALITY FUEL	The Babcock & Wilcox Company	13/926488	25-Jun-2013	9377191	28-Jun-2016
SYSTEM AND METHOD FOR REDUCING LIQUID DISCHARGE FROM ONE OR MORE DEVICES	The Babcock & Wilcox Company GEA Process Engineering A/S	15/313222	22-Nov-2016	10589226	17-Mar-2020
WATER JACKET FOR SOLID PARTICLE SOLAR RECEIVER	The Babcock & Wilcox Company	14/712160	14-May-2015	9920955	20-Mar-2018
PIPE ASSEMBLY	Diamond Power International,	11/912720	28-Mar-2008	8671890	18-Mar-

Patent Title	Owner/Current Assignee	Application Number	Application/Filing Date	Patent Number	Issue Date
	LLC				2014
POWER GENERATION PLANT INTEGRATING CONCENTRATED SOLAR POWER RECEIVER AND PRESSURIZED HEAT EXCHANGER	The Babcock & Wilcox Company	14/333940	17-Jul-2014	9458838	04-Oct-2016
SOLIDS-BASED CONCENTRATED SOLAR POWER RECEIVER	The Babcock & Wilcox Company	14/507103	06-Oct-2014	9939178	10-Apr-2018
SIMPLIFIED SUBMERGED CHAIN CONVEYOR FOR BOTTOM ASH CONVERSIONS	The Babcock & Wilcox Company	15/490240	18-Apr-2017	10124968	13-Nov-2018
METAL CAPTURE IN A FLUE GAS USING SORBENT INJECTION	The Babcock & Wilcox Company	15/653696	19-Jul-2017	10478775	19-Nov-2019
AIR COOLED CONDENSER (ACC) WIND MITIGATION SYSTEM	The Babcock & Wilcox Company	16/116272	29-Aug-2018	US20190072333	PUB DATE: 07-Mar-2019
SPRAY DRYER ABSORBER AND RELATED PROCESSES	The Babcock & Wilcox Company	11/854795	09/13/2007	10208951	19-Feb-2019
SYSTEM AND METHOD FOR REDUCING HALOGEN LEVELS NECESSARY FOR MERCURY CONTROL, INCREASING THE SERVICE LIFE AND/OR CATALYTIC ACTIVITY OF AN SCR CATALYST AND/OR CONTROL OF MULTIPLE EMISSIONS	The Babcock & Wilcox Company	13/962761	08-Aug-2013	10471384	12-Nov-2019
SMALL SUPERCRITICAL ONCE-THRU STEAM GENERATOR	The Babcock & Wilcox Company	13/826071	2013-03-14	10215399	26-Feb-2019
SYNGAS PRODUCTION VIA CYCLIC REDUCTION AND OXIDATION OF METAL OXIDES	The Babcock & Wilcox Company	15/868466	2018-01-11	US20180134553A1	2018-05-17
SYSTEM AND METHOD FOR APPLYING PARTIAL DISCHARGE ANALYSIS FOR ELECTROSTATIC	The Babcock & Wilcox Company	11/321832	2005-12-29	7452403	2008-11-18

Patent Title	Owner/Current Assignee	Application Number	Application/Filing Date	Patent Number	Issue Date
PRECIPITATOR					
METHOD OF MANUFACTURING A TUBULAR SUPPORT STRUCTURE	The Babcock & Wilcox Company	11/749967	2007-05-17	8056229	2011-11-15
ELECTRIC HYDRAULIC CATALYST LOADING AND UNLOADING DEVICE AND METHODS THEREFOR	The Babcock & Wilcox Company	14/506923	2014-10-06	9896308	2018-02-20
CONDENSATE REMOVAL SOOTBLOWER NOZZLE	Diamond Power International, LLC	14/820150	2015-08-06	10018431	2018-07-10
REMOTE SUBMERGED CHAIN CONVEYOR	Diamond Power International, LLC	14/826806	2015-08-14	9802140	2017-10-31
SHAFT-TO-ROLLER ATTACHMENT FOR CLINKER GRINDER ROLLER	Diamond Power International, Inc.	13/275826	2011-10-18	9375718	2016-06-28
PNEUMATIC TRANSPORT WITH MULTI VESSEL DISCHARGE	Diamond Power International, Inc.	13/741798	2013-01-15	8915679	2014-12-23
ASSEMBLY AND METHOD FOR REMOVING A DEVICE FROM A BOILER	Diamond Power International, LLC	11/153671	2005-06-15	7637002	2009-12-29
NATURAL CIRCULATION MULTI-CIRCULATION PACKAGE BOILER FOR STEAM ASSISTED GRAVITY DRAINAGE (SAGD) PROCESS	The Babcock & Wilcox Company	16/779750	03-Feb-2020	US20200256556	PUB DATE: 13-Aug-2020
SELECTIVE NON-CATALYTIC REDUCTION (SNCR) OF NO _x IN FLUIDIZED BED COMBUSTION REACTORS	The Babcock & Wilcox Company	16/410315	13-May-2019	10653996	19-May-2020
PERTURBING AIR COOLED CONDENSER FIN	The Babcock & Wilcox Company	16/850673	16-Apr-2020	US20200333077	PUB DATE: 22-Oct-2020
NATURAL CIRCULATION MULTI-CIRCULATION PACKAGE BOILER WITH SUPERHEAT FOR STEAM ASSISTED GRAVITY DRAINAGE (SAGD) PROCESS INCLUDING SUPERHEATER	The Babcock & Wilcox Company	16/445721	19-Jun-2019	US20200400305	PUB DATE: 24-Dec-2020
SIMPLIFIED CHAIN CONVEYOR FOR BOTTOM	The Babcock & Wilcox	PCT US20/040441	01-Jul-2020	US2021003231	07-Jan-2021

Patent Title	Owner/Current Assignee	Application Number	Application/Filing Date	Patent Number	Issue Date
ASH CONVERSION	Company				
SMELT SPOUT CLEANING ASSEMBLY AND PROCESS	The Babcock & Wilcox Company	17/332894	27-May-2021		
SYNGAS PRODUCTION VIA CYCLIC REDUCTION AND OXIDATION METAL OXIDES	The Babcock & Wilcox Company	14/799559	14-Jul-2015	9902615	27-Feb-2018
APPARATUS FOR ENCLOSING A CHEMICAL LOOPING PROCESS	The Babcock & Wilcox Company	63/145601	04-Feb-2021		
SMELT SHATTERING METHOD AND APPARATUS	The Babcock & Wilcox Company	63/076665	10-Sep-2020		
HORIZONTAL SPIRAL TUBE BOILER CONVECTION PASS ENCLOSURE DESIGN	The Babcock & Wilcox Company	10/320342	16-Dec-2002	6718915	13-Apr-2004
BURNER WITH CENTER AIR JET	The Babcock & Wilcox Company	11/171027	30-Jun-2005	7430970	07-Oct-2008
CONTOURED FLAT STUD AND STUD ARRANGEMENT FOR CYCLONE SLAG TAPS	The Babcock & Wilcox Company	12/175524	18-Jul-2008	8522729	03-Sep-2013
SYSTEM AND METHOD FOR SOFTENING WATER FOR USE IN A SCRUBBER	The Babcock & Wilcox Company	12/689313	19-Jan-2010	9221009	2015-12-29
OXY-FUEL COMBUSTION OXIDANT HEATER INTERNAL ARRANGEMENT	The Babcock & Wilcox Company	12/712268	25-Feb-2010	8807991	19-Aug-2014
REDOX METHOD FOR CAPTURE OF TOTAL GASEOUS MERCURY BY WET FGD	THE BABCOCK & WILCOX COMPANY	12/837131	15-Jul-2010	8092766	10-Jan-2012
INTEGRATED FLUE GAS DEHUMIDIFICATION AND WET COOLING TOWER SYSTEM	THE BABCOCK & WILCOX COMPANY	12/830850	06-Jul-2010	7993615	09-Aug-2011
HIGH EFFICIENCY SOLAR RECEIVER	The Babcock & Wilcox Company	13/678320	15-Nov-2012	9127857	2015-09-08
FREEZE PROTECTION SYSTEM FOR SOLAR RECEIVER	The Babcock & Wilcox Company	13/677499	15-Nov-2012	9273884	2016-03-01
DRY SORBENT INJECTION DURING STEADY-STATE CONDITIONS IN DRY SCRUBBER	The Babcock & Wilcox Company	13/548147	12-Jul-2012	8828340	09-Sep-2014
SHOP ASSEMBLED VERTICAL SERPENTINE FLOW MOLTEN SALT SOLAR RECEIVER	The Babcock & Wilcox Company	13/560347	27-Jul-2012	9366458	2016-06-14

Patent Title	Owner/Current Assignee	Application Number	Application/Filing Date	Patent Number	Issue Date
SPLIT PASS ECONOMIZER BANK WITH INTEGRATED WATER COIL AIR HEATING AND FEEDWATER BIASING	The Babcock & Wilcox Company	13/754030	30-Jan-2013	10197267	2019-02-05
METHOD FOR CONTROLLING ACIDIC COMPOUNDS PRODUCED FOR OXY-COMBUSTION PROCESSES	The Babcock & Wilcox Company	13/929971	28-Jun-2013	8802043	12-Aug-2014
SYSTEM AND METHOD FOR CONTROLLING ONE OR MORE PROCESS PARAMETERS ASSOCIATED WITH A COMBUSTION PROCESS	The Babcock & Wilcox Company	13/837221	15-Mar-2013	10018356	2018-07-10
CIRCULATING DRY SCRUBBER	The Babcock & Wilcox Company	13/895642	16-May-2013	8715600	06-May-2014
SYSTEM FOR PRODUCING HIGH PRESSURE STEAM FROM LOW QUALITY WATER	The Babcock & Wilcox Company	14/298381	06-Jun-2014	9933154	2018-04-03
INTEGRATED SORBENT INJECTION AND FLUE GAS DESULFURIZATION SYSTEM	THE BABCOCK & WILCOX COMPANY	14/336645	21-Jul-2014	9192890	2015-11-24
SOLIDS TRANSPORT IN FLUE GAS DESULFURIZATION SYSTEM	THE BABCOCK & WILCOX COMPANY	14/219586	19-Mar-2014	9097158	2015-08-04
Method and apparatus for removing mercury from a flue gas stream	The Babcock & Wilcox Company	15040345	2016-02-10	10471386	2019-11-12
High temperature sub-critical boiler with steam cooled upper furnace	The Babcock & Wilcox Company	15091236	2016-04-05	10429062	2019-10-01
Material handling system for fluids	The Babcock & Wilcox Company	15601099	2017-05-22	10429061	2019-10-01
Methods of generating energy from cellulosic biofuel waste	The Babcock & Wilcox Company	15601230	2017-05-22	10415825	2019-09-17
Transition casting for boiler with steam cooled upper furnace	The Babcock & Wilcox Company	15099192	2016-04-14	10253972	2019-04-09
Transition casting for boiler with steam cooled upper furnace	The Babcock & Wilcox Company	15091173	2016-04-05	10234169	2019-03-19
System and method for softening water for use in a scrubber	The Babcock & Wilcox Company	14926431	2015-10-29	10144661	2018-12-04
Modular molten salt solar towers	The Babcock &	14875122	2015-10-05	10113536	2018-10-

Patent Title	Owner/Current Assignee	Application Number	Application/Filing Date	Patent Number	Issue Date
with thermal storage for process or power generation or cogeneration	Wilcox Company				30
Fabric filter louver assembly	The Babcock & Wilcox Company	15053209	2016-02-25	9901856	2018-02-27
System and method for reducing liquid discharge from one or more devices	The Babcock & Wilcox Company	15575479	2017-11-20	10987626	2021-04-27
High temperature sub-critical boiler with common steam cooled wall between furnace and convection pass	The Babcock & Wilcox Company	15091221	2016-04-05	10415819	2019-09-17