505121900 10/02/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5168661

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BWXT NUCLEAR ENERGY, INC.	11/03/2016

RECEIVING PARTY DATA

Name:	BWXT MPOWER, INC.
Street Address:	11525 N. COMMUNITY HOUSE ROAD
Internal Address:	SUITE 600
City:	CHARLOTTE
State/Country:	NORTH CAROLINA
Postal Code:	28277

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16144648

CORRESPONDENCE DATA

Fax Number: (803)255-9831

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: 404-322-6132

Email: ip@nelsonmullins.com
Correspondent Name: KENNETH C. BRULEY

Address Line 1: NELSON MULLINS RILEY & SCARBOROUGH LLP
Address Line 2: 301 SOUTH COLLEGE STREET, 23RD FLOOR
Address Line 4: CHARLOTTE, NORTH CAROLINA 28202-4000

ATTORNEY DOCKET NUMBER:	045271/09945-US-DIV
NAME OF SUBMITTER:	KENNETH C. BRULEY
SIGNATURE:	/Kenneth C. Bruley/
DATE SIGNED:	10/02/2018

Total Attachments: 9

source=045271-09945-US-DIV_BWXTNuclearEnergyInc_to_BWXTmPowerInc#page1.tif source=045271-09945-US-DIV_BWXTNuclearEnergyInc_to_BWXTmPowerInc#page2.tif source=045271-09945-US-DIV_BWXTNuclearEnergyInc_to_BWXTmPowerInc#page3.tif source=045271-09945-US-DIV_BWXTNuclearEnergyInc_to_BWXTmPowerInc#page4.tif

PATENT 505121900 REEL: 047033 FRAME: 0236

source=045271-09945-US-DIV_BWXTNuclearEnergyInc_to_BWXTmPowerInc#page5.tif source=045271-09945-US-DIV_BWXTNuclearEnergyInc_to_BWXTmPowerInc#page6.tif source=045271-09945-US-DIV_BWXTNuclearEnergyInc_to_BWXTmPowerInc#page7.tif source=045271-09945-US-DIV_BWXTNuclearEnergyInc_to_BWXTmPowerInc#page8.tif source=045271-09945-US-DIV_BWXTNuclearEnergyInc_to_BWXTmPowerInc#page9.tif

PATENT ASSIGNMENT

This PATENT ASSIGNMENT, effective as of November 3, 2016 (this "Assignment"), is made by BWXT Nuclear Energy, Inc., a corporation incorporated under the laws of the State of Delaware, ("Assignor"), in favor of BWXT mPower, Inc., a corporation incorporated under the laws of the State of Delaware (the "Assignee").

WHEREAS, Assignor is the owner of certain rights, title and interest in and to the patent applications set forth in attached Schedule A hereto and in and to the inventions disclosed therein (collectively, the "Assigned Patent Rights"); and

WHEREAS, Assignor desires to transfer, convey and deliver the Assigned Patent Rights and Assignee desires to acquire, accept and receive from Assignor the Assigned Patent Rights.

NOW, THEREFORE, intending to be legally bound and in consideration of the mutual promises contained in this Assignment, and for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor and Assignee agree as follows:

- 1. Assignor hereby conveys, transfers, grants, assigns, and delivers unto Assignee all of Assignor's worldwide right, title, and interest in and to said Assigned Patent Rights, together with all patents issuing on said Assigned Patent Rights, and any reissues, reexaminations, renewals, extensions, substitutions, registrations, confirmations, divisionals, continuations, and continuations-in-part of such patents and said Assigned Patent Rights, including any patents and patent applications that claim priority to a common priority document in the priority chain of any of the foregoing, and foreign counterparts of any of the foregoing, and together with all rights to sue for past and future infringement or misappropriation thereof (including the right to sue for pre-issuance royalties), all the said Assigned Patent Rights to be held and enjoyed by the Assignee as fully and entirely as the said Assigned Patent Rights could have been held and enjoyed by the said Assignor if this Assignment had not been made.
- 2. Assignor hereby agrees to execute, and file as requested, such documentation as may be required by any intellectual property registrar in any jurisdiction to transfer ownership of the Assigned Patent Rights from Assignor to Assignee. Assignor further agrees, without any payment by the Assignee other than expenses incurred by the Assignor, to communicate to the Assignee, its representatives or agents, facts relating to the Assigned Patent Rights, including evidence for interference purposes or for other proceedings, whenever requested; to testify in any interference or other proceedings, whenever requested; and to execute and deliver such further assignments and other documents with respect to the Assigned Patent Rights as Assignee shall reasonably request.
- 3. Assignor hereby authorizes the agent, attorney, or firm designated by Assignee as Assignee's patent counsel to correct any errors in this Assignment, or to insert any further documentation or other information, as necessary or desirable to make this Assignment comply with the recordation requirements of any intellectual property registrar in any jurisdiction.
- 4. The terms and covenants of the Assignment shall inure to the benefit of Assignee, its successors and assigns, and shall be binding upon Assignor and its successors and assigns.

IN WITNESS WHEREOF, Assignor has caused this Patent Assignment to be executed by its duly authorized representative as of the day and year first written above.

	BWXT NUCLEAR ENERGY, INC.
	By: Williams
	Name: William A. Fox, III
	Title: President
STATE OF worth caroling)	
COUNTY OF <u>mecklenburg</u>)	
Personally appeared before me, Willia	am A. Fox, III, to me known and known to me to be the
-	oing instrument and acknowledged the same to be his act
and deed in and for the purposes set forth in sa	id instrument this 3rd day of <u>November</u> ,
2016.	
Camille E. Redform	LANGE E. RED.
Notary Public for Mecklenburg County	S. NOTARY 2
My Commission Expires: April 24, 2019	PUBLIC O
	VRUDOCOU

BWXT MPOWER, INC. Name: William A. Fox, III Title: President STATE OF North Canoling) COUNTY OF <u>mecklenburg</u>) Personally appeared before me, William A. Fox, III, to me known and known to me to be the person described and who executed the foregoing instrument and acknowledged the same to be his act and deed in and for the purposes set forth in said instrument this 3rd day of Movember 2016. Notary Public for Wecklenburg County My Commission Expires: April 24, 2019

The undersigned Assignee hereby accepts this Assignment.

SCHEDULE A

ASSIGNED PATENT RIGHTS

Case No.	Country	Title	App. No.	Filing Date	Patent No.	Issue Date
7312	AR	EMERGENCY CORE COOLING SYSTEM FOR PRESSURIZED WATER REACTOR	20120100957	03/22/2012		
7312	CA	EMERGENCY CORE COOLING SYSTEM FOR PRESSURIZED WATER REACTOR	2830903	03/22/2012		
7312	EPC	EMERGENCY CORE COOLING SYSTEM FOR PRESSURIZED WATER REACTOR	12760848.7	03/22/2012	2689426	01/06/2016
7312	GB	EMERGENCY CORE COOLING SYSTEM FOR PRESSURIZED WATER REACTOR	12760848.7	03/22/2012	2689426	01/06/2016
7312	KR	EMERGENCY CORE COOLING SYSTEM FOR PRESSURIZED WATER REACTOR	10-2013-7025107	03/22/2012		
7312	US	EMERGENCY CORE COOLING SYSTEM FOR PRESSURIZED WATER REACTOR	13/069657	03/23/2011	8638898	01/28/2014
7312	JP	EMERGENCY CORE COOLING SYSTEM FOR PRESSURIZED WATER REACTOR	2014-501242	03/22/2012		
7325	US	COMPACT NUCLEAR REACTOR	12/911572	10/25/2010	9177674	11/03/2015
7325DIV	US	COMPACT NUCLEAR REACTOR	14/665341	3/23/2015		
7326	AR	COMPACT NUCLEAR REACTOR WITH INTEGRAL STEAM GENERATOR	20110103512	09/26/2011		
7326	CA	COMPACT NUCLEAR REACTOR WITH INTEGRAL STEAM GENERATOR	2808425	09/08/2011		•
7326	·CN	COMPACT NUCLEAR REACTOR WITH INTEGRAL STEAM GENERATOR	201180004814.7	09/08/2011	-	
7326	KR	COMPACT NUCLEAR REACTOR WITH INTEGRAL STEAM GENERATOR	10-2013-7006207	09/08/2011		
7326	TW	COMPACT NUCLEAR REACTOR WITH INTEGRAL STEAM GENERATOR	100134639	09/26/2011		
7326	US	COMPACT NUCLEAR REACTOR WITH INTEGRAL STEAM GENERATOR	12/891317	09/27/2010		
7386	AR	TERMINAL ELEMENTS FOR COUPLING CONNECTING RODS AND CONTROL RODS IN CONTROL ROD ASSEMBLIES FOR A NUCLEAR REACTOR	20110103086	08/24/2011		
7386	CA	TERMINAL ELEMENTS FOR COUPLING CONNECTING RODS AND CONTROL RODS IN CONTROL ROD ASSEMBLIES FOR A NUCLEAR REACTOR	2805917	08/11/2011		
7386 .	CN	TERMINAL ELEMENTS FOR COUPLING CONNECTING RODS AND CONTROL RODS IN CONTROL ROD ASSEMBLIES FOR A NUCLEAR	201180004466.3	08/11/2011	20118000446 6.3	11/25/2015

		REACTOR	ı			
7386DIV	CN	TERMINAL ELEMENTS FOR	201510621116.1	09/25/2015		
		COUPLING CONNECTING RODS AND				
2.7		CONTROL RODS IN CONTROL ROD				}
		ASSEMBLIES FOR A NUCLEAR				
		REACTOR	440000	00//1/0011		
7386	EPC	TERMINAL ELEMENTS FOR	11820375.1	08/11/2011	,	
		COUPLING CONNECTING RODS AND				
		CONTROL RODS IN CONTROL ROD				
		ASSEMBLIES FOR A NUCLEAR				
		REACTOR	0012 525057	08/11/2011	5873087	01/22/2016
7386	JР	TERMINAL ELEMENTS FOR	2013-525957	08/11/2011	30/300/	01/22/2010
		COUPLING CONNECTING RODS AND				
		CONTROL RODS IN CONTROL ROD				
		ASSEMBLIES FOR A NUCLEAR				
H00.6	TED	REACTOR	10-2013-7001584	08/11/2011		
7386	KR	TERMINAL ELEMENTS FOR	10-2013-7001364	06/11/2011		
		COUPLING CONNECTING RODS AND CONTROL RODS IN CONTROL ROD				
		ASSEMBLIES FOR A NUCLEAR REACTOR				
7206	TNI	TERMINAL ELEMENTS FOR	100129541	08/18/2011	1509629	11/21/2015
7386	TW	COUPLING CONNECTING RODS AND	100129341	06/16/2011	1507027	11/21/2015
		CONTROL RODS IN CONTROL ROD		(
		ASSEMBLIES FOR A NUCLEAR				
		REACTOR				
7386	US	TERMINAL ELEMENTS FOR	12/862124	08/24/2010	8526563	·
7380	ບລ	COUPLING CONNECTING RODS AND	IZIOOZIZI	00/2 1/2010	0520505	
		CONTROL RODS IN CONTROL ROD				
		ASSEMBLIES FOR A NUCLEAR				
		REACTOR	1			
7387	AR	SUPPORT STRUCTURE FOR A	20110103889	10/20/2011		
7507	1200	CONTROL ROD ASSEMBLY OF A				
		NUCLEAR REACTOR				
7387	CA	SUPPORT STRUCTURE FOR A	2825125	09/21/2011		
,,,,,	-,	CONTROL ROD ASSEMBLY OF A				
		NUCLEAR REACTOR				
7387	CN	SUPPORT STRUCTURE FOR A	201180004745	09/21/2011		
,		CONTROL ROD ASSEMBLY OF A				
		NUCLEAR REACTOR				
7387	EPC	SUPPORT STRUCTURE FOR A	11834807.7	09/21/2011		
		CONTROL ROD ASSEMBLY OF A				
		NUCLEAR REACTOR				_
7387	JP	SUPPORT STRUCTURE FOR A	2013-534915	09/21/2011		
		CONTROL ROD ASSEMBLY OF A				
		NUCLEAR REACTOR		00101 (501)		
7387	KR	SUPPORT STRUCTURE FOR A	10-2013-7011327	09/21/2011		
		CONTROL ROD ASSEMBLY OF A				
		NUCLEAR REACTOR		no ing ing i		
7387	TW	SUPPORT STRUCTURE FOR A	100135243	09/29/2011		
		CONTROL ROD ASSEMBLY OF A				•
		NUCLEAR REACTOR	10100000	10/01/00/0		•
7387	US	SUPPORT STRUCTURE FOR A	12/909252	10/21/2010		
		CONTROL ROD ASSEMBLY OF A				
		NUCLEAR REACTOR	D110103717	10/06/2011		
7388	AR .	CONTROL ROD/CONTROL ROD	P110103715	10/06/2011		
		DRIVE MECHANISM COUPLINGS	2000101	00/15/2011		
7388	CA	CONTROL ROD/CONTROL ROD	2809136	09/15/2011		
		DRIVE MECHANISM COUPLINGS	110011707	00115/0011		
7388	EPC	CONTROL ROD/CONTROL ROD	11831173.7	09/15/2011		
		DRIVE MECHANISM COUPLINGS		L		

7388	JP	CONTROL ROD/CONTROL ROD DRIVE MECHANISM COUPLINGS	2013-532817	09/15/2011		
7388	RU	CONTROL ROD/CONTROL ROD DRIVE MECHANISM COUPLINGS	2013106160	09/15/2011		
7388	KR	CONTROL ROD/CONTROL ROD DRIVE MECHANISM COUPLINGS	10-2013-7006048	09/15/2011		
7388	TW	CONTROL ROD/CONTROL ROD DRIVE MECHANISM COUPLINGS	100134394	09/23/2011		
7388	US	CONTROL ROD/CONTROL ROD DRIVE MECHANISM COUPLINGS	12/899739	10/07/2010		
7392	AR	NUCLEAR REACTOR REFUELING METHODS AND APPARATUSES	20120102933	08/10/2012		
7392	CA	NUCLEAR REACTOR REFUELING METHODS AND APPARATUSES	2845700	07/18/2012		
7392	CN	NUCLEAR REACTOR REFUELING METHODS AND APPARATUSES	201210111767.2	04/16/2012		
7392	EPC	NUCLEAR REACTOR REFUELING METHODS AND APPARATUSES	12825470.3	07/18/2012		
7392	KR	NUCLEAR REACTOR REFUELING	10-2014-7007215	07/18/2012		
7392	TW	METHODS AND APPARATUSES NUCLEAR REACTOR REFUELING	101129367	08/14/2012		
7392	US	METHODS AND APPARATUSES NUCLEAR REACTOR REFUELING METHODS AND APPARATUSES	13/213389	08/19/2011		
7397	US	CONTROL ROD WITH OUTER HAFNIUM SKIN	13/316826	12/12/2011		
7413	US	INTEGRATED EMERGENCY CORE COOLING SYSTEM CONDENSER FOR	13/161078	06/15/2011	,	
7414	CA	PRESSURIZED WATER REACTOR COMPACT INTEGRAL PRESSURIZED WATER NUCLEAR REACTOR	2832327	04/10/2012		
7414	CN	COMPACT INTEGRAL PRESSURIZED WATER NUCLEAR REACTOR	201210046933.5	02/17/2012		
7414	EPC	COMPACT INTEGRAL PRESSURIZED WATER NUCLEAR REACTOR	12771867.4	04/10/2012	2697797	02/24/2016
7414	JP	COMPACT INTEGRAL PRESSURIZED WATER NUCLEAR REACTOR	2014-505211	04/10/2012		
7414	KR	COMPACT INTEGRAL PRESSURIZED WATER NUCLEAR REACTOR	10-2013-7027176	04/10/2012	11	
7414	TW	PRESSURIZED WATER NUCLEAR REACTOR AND METHOD FOR GENERATING ELECTRICAL POWER BY PRESSURIZED WATER NUCLEAR REACTOR	101112781	04/11/2012		
7414	US	COMPACT INTEGRAL PRESSURIZED WATER NUCLEAR REACTOR	13/085527	04/13/2011		
7416	CA	PRESSURIZER BAFFLE PLATE AND PRESSURIZED WATER REACTOR (PWR) EMPLOYING SAME	2834688	06/04/2012		
7416	CN	PRESSURIZER BAFFLE PLATE AND PRESSURIZED WATER REACTOR (PWR) EMPLOYING SAME	201210134603.1	05/02/2012		
7416	EPC	PRESSURIZER BAFFLE PLATE AND PRESSURIZED WATER REACTOR (PWR) EMPLOYING SAME	12786337.1	05/17/2012	-	
7416	JP	PRESSURIZER BAFFLE PLATE AND PRESSURIZED WATER REACTOR (PWR) EMPLOYING SAME	2014-511541	06/04/2012		
7416	KR	PRESSURIZER BAFFLE PLATE AND PRESSURIZED WATER REACTOR (PWR) EMPLOYING SAME	10-2013-7030087	05/17/2012		

7116	TOTAL .	PRESSURIZER BAFFLE PLATE AND	101117807	05/17/2012		
7416	TW	PRESSURIZER BAFFLE FLATE AND PRESSURIZED WATER REACTOR	101117607	03/11/2012		
		1				
	* + 1.0	(PWR) EMPLOYING SAME	13/108734	05/16/2011	8681928	03/25/2014
7416	US	PRESSURIZER BAFFLE PLATE AND	13/100/34	03/10/2011	0001720	03/23/2014
İ		PRESSURIZED WATER REACTOR				
		(PWR) EMPLOYING SAME	00100101761	0.541.04001.0		
7418	AR	PRESSURIZED WATER REACTOR	20120101761	05/18/2012		ľ-,
		WITH UPPER VESSEL SECTION				
		PROVIDING BOTH PRESSURE AND				·
-		FLOW CONTROL	'			
7418	CA	PRESSURIZED WATER REACTOR	2834691	05/17/2012		
		WITH UPPER VESSEL SECTION				
•		PROVIDING BOTH PRESSURE AND				
		FLOW CONTROL				
7418	EPC	PRESSURIZED WATER REACTOR	12785072.5	05/17/2012		
,,,,	Li C	WITH UPPER VESSEL SECTION				
		PROVIDING BOTH PRESSURE AND				
		FLOW CONTROL				
7410	JP	PRESSURIZED WATER REACTOR	2014-511547	05/17/2012		
7418	JP	1	2014-311347	05/1//2012		
		WITH UPPER VESSEL SECTION				
		PROVIDING BOTH PRESSURE AND				
		FLOW CONTROL	10 0010 000000	05/17/2012		
7418	KR	PRESSURIZED WATER REACTOR	10-2013-7030886	05/17/2012		
		WITH UPPER VESSEL SECTION	1			
		PROVIDING BOTH PRESSURE AND				
		FLOW CONTROL				
7418	TW	PRESSURIZED WATER REACTOR	101117806	05/18/2012		
		WITH UPPER VESSEL SECTION				
		PROVIDING BOTH PRESSURE AND				
		FLOW CONTROL				
7418	US	PRESSURIZED WATER REACTOR	13/109120	05/17/2011		
7410	Ob	WITH UPPER VESSEL SECTION				
		PROVIDING BOTH PRESSURE AND				
		FLOW CONTROL				
7418DIV	US	PRESSURIZED WATER REATOR	14/665291	03/23/2015		
/418DIV	US	WITH UPPER VESSEL SECTION	14/003271	03/23/2013		
		PROVIDING BOTH PRESSURE AND				
		FLOW CONTROL	00100100101	00/00/0010		
7419	AR	NUCLEAR POWER FACILITY	20120100421	02/08/2012		
7419	CA	NUCLEAR POWER FACILITY	2825362	02/07/2012		
7419	CN	NUCLEAR POWER FACILITY	201280008045.2	02/07/2012		
7419	EPC	NUCLEAR POWER FACILITY	12744758.9	02/07/2012		
7419	TW	NUCLEAR POWER FACILITY	101104035	02/08/2012		
7419	US	NUCLEAR POWER FACILITY	13/366909	02/06/2012		
7420DES	US	REACTOR VESSEL	29/386966	03/07/2011	D695677	12/17/2013
7421DES	US	REACTOR VESSEL	29/389704	04/15/2011	D691084	10/08/2013
	CN	PRESSURIZED WATER REACTOR	201210046773.4	02/17/2012		
7422	CN	WITH REACTOR COOLANT PUMPS	20121001017317	02,17,2012		
		OPERATING IN THE DOWNCOMER				
		ANNULUS	10941002.2	02/17/2012		
7422	EPC	PRESSURIZED WATER REACTOR	12841903.3	02/11/2012		
		WITH REACTOR COOLANT PUMPS				
		OPERATING IN THE DOWNCOMER				
		ANNULUS		05/10/5015		
7422	KR	PRESSURIZED WATER REACTOR	10-2014-7004304	07/12/2012		
1	•	WITH REACTOR COOLANT PUMPS				
1		OPERATING IN THE DOWNCOMER				
1		ANNULUS				
1			101106200	07/20/2012		
7422	TW	PRESSURIZED WATER REACTOR	101126302	[07/20/2012]		
7422	TW	PRESSURIZED WATER REACTOR WITH REACTOR COOLANT PUMPS	101120302	07/20/2012		

		ANNULUS		1		T
7422	US	PRESSURIZED WATER REACTOR WITH REACTOR COOLANT PUMPS OPERATING IN THE DOWNCOMER ANNULUS	13/192735	07/28/2011		
7440	AR	PRESSURIZED WATER REACTOR WITH COMPACT PASSIVE SAFETY SYSTEMS	20120102934	08/10/2012		
7440	CA	PRESSURIZED WATER REACTOR WITH COMPACT PASSIVE SAFETY SYSTEMS	2846055	08/14/2012		
7440	CN	PRESSURIZED WATER REACTOR WITH COMPACT PASSIVE SAFETY SYSTEMS	201210136259	05/02/2012		
7440	EPC	PRESSURIZED WATER REACTOR WITH COMPACT PASSIVE SAFETY SYSTEMS	12825337.4	08/14/2012		
7440	KR	PRESSURIZED WATER REACTOR WITH COMPACT PASSIVE SAFETY SYSTEMS	10-2014-7003950	08/14/2012		
7440	US	PRESSURIZED WATER REACTOR WITH COMPACT PASSIVE SAFETY SYSTEMS	13/217941	08/25/2011	8867690	10/21/2014
7443	CA	PRESSURIZED WATER REACTOR WITH UPPER VESSEL SECTION PROVIDING BOTH PRESSURE AND FLOW CONTROL	2853313	09/28/2012		
7443	CN	PRESSURIZED WATER REACTOR WITH UPPER VESSEL SECTION PROVIDING BOTH PRESSURE AND FLOW CONTROL	201210408944.3	10/23/2012		,
7443	EPC	PRESSURIZED WATER REACTOR WITH UPPER VESSEL SECTION PROVIDING BOTH PRESSURE AND FLOW CONTROL	12860813.0	09/28/2012		
7443	KR	PRESSURIZED WATER REACTOR WITH UPPER VESSEL SECTION PROVIDING BOTH PRESSURE AND FLOW CONTROL	10-2014-7011556	09/28/2012		
7443	US	PRESSURIZED WATER REACTOR WITH UPPER VESSEL SECTION PROVIDING BOTH PRESSURE AND FLOW CONTROL	13/282217	10/26/2011		
7443DIV	US	PRESSURIZED WATER REACTOR WITH UPPER VESSEL SECTION PROVIDING BOTH PRESSURE AND FLOW CONTROL	14/673087	03/30/2015		
7446	CN	INTEGRAL PRESSURIZED WATER REACTOR WITH EXTERNAL STEAM DRUM	201210532016,8	12/11/2012	,	
7446	US	INTEGRAL PRESSURIZED WATER REACTOR WITH EXTERNAL STEAM DRUM	13/351940	01/17/2012		
7447	CN	CONTROL ROD DRIVE MECHANISM (CRDM) MOUNTING SYSTEM FOR PRESSURIZED WATER REACTORS	201210472772.6	11/20/2012		
7447	US	CONTROL ROD DRIVE MECHANISM (CRDM) MOUNTING SYSTEM FOR PRESSURIZED WATER REACTORS	13/405405	02/27/2012		
7447	CA	CONTROL ROD DRIVE MECHANISM MOUNTING SYSTEM	2865646	01/29/2013		

7447	EPC	CONTROL ROD DRIVE MECHANISM MOUNTING SYSTEM	13782394,4	01/29/2013		
7450	CA	SPACER GRID	2863160	01/23/2013		
7450	CN	SPACER GRID	201210557290.0	12/19/2012		
7450	EPC	SPACER GRID	13784959.2	01/23/2013		ļ
7450	US	SPACER GRID	13/364769	02/02/2012		
7452	CA	LOWER END FITTING LOCKNUT FOR	2870195	02/06/2013		
7,132		NUCLEAR FUEL ASSEMBLY	2070175	. 02/00/2010		
7452	CN	LOWER END FITTING LOCKNUT FOR	201210557311.9	12/19/2012		
7152	0,1	NUCLEAR FUEL ASSEMBLY	20121030731119	12/19/2012		
7452	EPC	LOWER END FITTING LOCKNUT FOR	13785098.8	02/06/2013	<u> </u>	
',52	Di O	NUCLEAR FUEL ASSEMBLY	15,055,510	02/03/20/0		
7452	US	LOWER END FITTING LOCKNUT FOR	13/447655	04/16/2012		
1 , ,,,,,	9.9	NUCLEAR FUEL ASSEMBLY				
7453	CA	EMERGENCY CORE COOLING	2859179	11/15/2012		
7155		SYSTEM (ECCS) FOR NUCLEAR	2007179	11,10,2012	* *	
		REACTOR EMPLOYING CLOSED				
		HEAT TRANSFER PATHWAYS				
7453	CN	EMERGENCY CORE COOLING	201210485434.6	11/26/2012		
, ,,,,,,	J.,	SYSTEM (ECCS) FOR NUCLEAR				
		REACTOR EMPLOYING CLOSED				
		HEAT TRANSFER PATHWAYS				
7453	EPC	EMERGENCY CORE COOLING	1287111.2	11/15/2012		
1,100		SYSTEM (ECCS) FOR NUCLEAR				İ
		REACTOR EMPLOYING CLOSED				
		HEAT TRANSFER PATHWAYS				
7453	JP	EMERGENCY CORE COOLING	2014-547251	11/15/2012		
. , 155	V.	SYSTEM (ECCS) FOR NUCLEAR				
		REACTOR EMPLOYING CLOSED				
		HEAT TRANSFER PATHWAYS				
7453	KR	EMERGENCY CORE COOLING	10-2014-7017791	11/15/2012		
, .55	T.C.	SYSTEM (ECCS) FOR NUCLEAR		11111111111		
		REACTOR EMPLOYING CLOSED				
		HEAT TRANSFER PATHWAYS				
7453	US	EMERGENCY CORE COOLING	13/325603	12/14/2011		
7 133	00	SYSTEM (ECCS) FOR NUCLEAR	10/022000			
		REACTOR EMPLOYING CLOSED				
		HEAT TRANSFER PATHWAYS				
7456DES	AR	REACTOR VESSEL	83686	03/21/2012	83686	09/10/2012
7456DES	CN	REACTOR VESSEL	201230069660.7	03/21/2012	20123006966	05/01/2013
7450000	Off	REMOTOR TESSES	20123000300011	00/21/2012	0.7	05/01/2015
7456DES	TW	REACTOR VESSEL	101301545	03/21/2012	D154466	07/01/2013
7456DES	US	REACTOR VESSEL	29/402102	09/21/2011	D691085	10/08/2013
7457	CA	PRESSURIZED WATER REACTOR	2855084	09/28/2012	5051005	10/00/2015
1457	CH	WITH UPPER PLENUM INCLUDING	2055001	03/20/2012		
, 1		CROSS-FLOW BLOCKING WEIR				
7457	CN	PRESSURIZED WATER REACTOR	20120448079.5	11/09/2012		
. /45/	CIT	WITH UPPER PLENUM INCLUDING	20120440077.3	11/0//2012		
		CROSS-FLOW BLOCKING WEIR				
7457	EPC	PRESSURIZED WATER REACTOR	12859050.2	09/28/2012		
/45/	Lic	WITH UPPER PLENUM INCLUDING	12659050.2	03/20/2012	,	
		CROSS-FLOW BLOCKING WEIR				
7457	KR	PRESSURIZED WATER REACTOR	10-2014-7013635	09/28/2012		
1431	VIC	WITH UPPER PLENUM INCLUDING	10-2014-7013033	0912012012		
		CROSS-FLOW BLOCKING WEIR				
7157	US	PRESSURIZED WATER REACTOR	13/293899	11/10/2011		
7457	02	1	13/273679	11/10/2011		
		WITH UPPER PLENUM INCLUDING				
		CROSS-FLOW BLOCKING WEIR			<u> </u>	

RECORDED: 10/02/2018