PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4282558

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
XINGJIANG CHEN	02/15/2017
ZHIYUAN LUO	02/15/2017
YUANGANG DUAN	02/15/2017
ZHONGSHUANG LI	02/15/2017
WEI FU	02/15/2017
GUOHUI CONG	02/15/2017
ZHAO CHEN	02/15/2017
XIAOWU SONG	02/15/2017
YANZHANG LIU	02/15/2017
XUELING WANG	02/15/2017
JIAJIONG MA	02/15/2017
YIXUN ZHANG	02/15/2017

RECEIVING PARTY DATA

Name:	CHINA NUCLEAR POWER ENGINEERING CO., LTD.
Street Address:	NO. 69 SHENNAN ZHONG ROAD, FUTIAN DISTRICT
City:	SHENZHEN, GUANGDONG
State/Country:	CHINA
Postal Code:	518023
Name:	SHENYANG BLOWER GROUP NUCLEAR POWER PUMPS CO., LTD.
Street Address:	NO. 16 DEVELOPMENT ROAD, ECONOMIC & TECHNICAL DEVELOPMENT ZONE
City:	SHENYANG, LIAONING
State/Country:	CHINA
Postal Code:	110142
Name:	CHINA GENERAL NUCLEAR POWER GROUP
Street Address:	FLOORS 17-19, SCIENCE BUILDING, NO. 1001 SHANGBU ZHONG ROAD, FUTIAN DISTRICT
City:	SHENZHEN, GUANGDONG
State/Country:	CHINA
Postal Code:	518031

PATENT REEL: 041304 FRAME: 0037

504235881

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15373495	

CORRESPONDENCE DATA

Fax Number:

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.

Email: charles ho@barron-young.com

Correspondent Name: BYIP

Address Line 1:9622 LANDMARK PLACEAddress Line 4:FRISCO, TEXAS 75035

ATTORNEY DOCKET NUMBER:	SCI-1621-USPT
NAME OF SUBMITTER:	CHARLES S. HO
SIGNATURE:	/charles ho/
DATE SIGNED:	02/20/2017

Total Attachments: 12

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ASSIG	NMENT	- Patent Applic	cation	Oocket Number: SCI-	1621-USFT
Whereas, the /	\ssignor, co	niprising the following	named inver	2	
ASSIGNOR(s) INVENTOR(s)		ng Ch en			
made an inven	tion entitled	MAIN PUMP SHAF POWER STATION	T SEAL WA	TER INJECTION SYST	EM OF A NUCLEAR
for which an ap (Select one of th	plication for e following):	Letters Patent of the	United States	i.	
☐ is executi ☑ was filed	ed concurre in the U.S.	ntly herewith Patent and Trademark ation Serial No.:	Office on 15/373,495	12/09/2016,	
ASSIGNEE (Full Name, Ad	dress and	1) China Nuclear Pe No. 69 Shennan Zh China	ower Engine ong Road, F	ering Go., Ltd. utian District, Shenzhe	en, Guangdong 518023
Country) 2) Shenyang Blower Group Nuclear Power Pumps Co., Ltd. No. 16 Development Road, Economic & Technical Development Shenyang, Liaoning 110142 China				., Ltd. velopment Zone,	
		3) China General N Floors 17-19, Scien District, Shenzhen, China	ice Building,	No. 1001 Shangbu Zh	ong Road, Futian
is desirous of a obtained therefo	cquiring our	entire right, title and in	nterest in and	to said invention and th	ne Letters Patent to be
Now, the One Dollar (\$1.0 acknowledged, successors and for Letters Paterights to claim p	erefore, in c 00), and for Assignor, ir assigns, th nt for said ir riority base	other good and valual tending to be legally b e full and exclusive rig wention, including all o	ble considera bound, hereby tht, title and indivisions, con divisions, con ers Patent, in	signee to Assignor of a stron, the receipt of which sells, assigns and transterest in and to said invitinuations, and continuaciuding reissues, to be cosponding thereto.	n is hereby sfers to Assignee, its rention, all applications itions-in-part thereof, all
Assigno	ir hereby wa		nent, sale, ag	reement or encumbrance	e has been or will be
Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument.					
in witne	ss whereof,	this Assignment is ex	ecuted on the	day indicated below.	
	Typed or	Printed Name	Sig	nature	Date
SIGNATURE	Xingj	lang Chen	Xingjia	ng chen	2017-02-15
	Jie	Zhang	To	ng Chen	2017-02-15

(SCI-1621-OSPT/00558726v1)

* Witness to Assignor

ASSIG	NMENT	- Patent A	pplication	Docket Numb	er: <u>SCI-1621-USPT</u>
Whateas, the	Assignor, o	imprising the fall	owing named inver		
ASSIGNOR(9) INVENTOR(5)		in Luo			
made an inven	tion entitled	MAIN PUMP POWER STA	SHAFT SEAL WA'	TER INJECTIO	N SYSTEM OF A NUCLEAR
for which an ar (Select one of th	plication for e following):	Letters Patent of	of the United States		
⊠ was filed	in the U.S.	ntly herewith Patent and Tradi ation Serial No.:	amark Office on	<u>12/09/2016</u>	
ASSIGNEE (Full Name, Address and Country) 1) China Nuclear Power Engineering Co., Ltd. No. 69 Shennan Zhong Road, Futian District, Shenzhen, Guangdong (China 2) Shenyang Blower Group Nuclear Power Pumps Co., Ltd. No. 16 Development Road, Economic & Technical Development Zone, Shenyang, Liaoning 110142					nne Ca I tri
		Floors 17-19, §	ral Nuclear Power Science Building, hen, Guangdong	No. 1001 Shan	gbu Zhong Road, Futian
is desirous of ac obtained therefo	quiring our ir,	entire right, title :	and interest in and	lo said inventio	n and the Letters Patent to be
acknowledged, a successors and for Letters Pater rights to claim pr	Assignor, in assigns, the it for said in fortily based	ending to be leg full and exclusing vention, including thereon, and all	ally bound, hereby ye right, title and int	on, the receipt of sells, assigns a serest in and to invalions, and controlled the series of the ser	nd transfers to Assignee, its said invention, all applications ontinuations-in-part thereof, all
Assignor	hereby wa	rants that no as:	signment, sale, agn h this Assignment,	eement or encu	mbrance has been or will be
Assignor a legal represent possession, relat thereto, to execu	agrees it sl ative therec ing to the m te all instrui	nall be legally bo f, to supply all in laking and practi nents proper to r	und, upon request formation and evid comation and evid comment of said invention stant the invention	ence of which the to testify in an	or its successors or assigns or ne Assignor has knowledge or y legal proceeding relating itates of America and foreign carry out the intent of this
In witnes	s whereof, t	his Assignment i	s executed on the a	day indicated be	alow.
***************************************	Typed or I	³ rinted Name	Signa	ature	Date
SIGNATURE	Zhiyı	ıan Luo			2917-02-15
		Zhang	Zhixuana Tra	Thank	2017-02-15
	* Witness to	Assignor	* Witness to As		3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-3-

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ASSIGN	MENT	- Patent Ap	plication	Doc	ket Number: §	<u> </u>
Whereas, the A	asignor, co	mpdsing the follo	ving named inve	ntors:		
ASSIGNOR(s) INVENTOR(s)	Yuang	ang Duan				
made an inventi	ion entitled	MAIN PUMP S POWER STAT	HAFT SEAL WA	TER U	VJECTION SY	STEM OF A NUCLEAR
for which an app (Select one of the	olication for	Letters Patent of	the United State	S.:		**************************************
is execute was filed i	d concurre	ntly herewith Palent and Trader ation Serial No.:	nark Office on	32	09/2016 ,	
ASSIGNEE (Full Name, Add Country)	lress and	No. 69 Shennar China		utian	District, Shen	zhen, Guangdong 518023
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		2) Shenyang Blower Group Nuclear Power Pumps Co., Ltd. No. 16 Development Road, Economic & Technical Development Zone, Shenyang, Liaoning 110142 China				
		Floors 17-19, S	al Nuclear Powe cience Building nen, Guangdong	No. 1	001 Shangbu	Zhong Road, Futian
is desirous of ac obtained therefo	quiring our r,	entire right, title a	nd interest in and	l to sai	d invention an	d the Letters Patent to be
One Dollar (\$1.0 acknowledged, A successors and ; for Letters Paten rights to claim pr	 U), and for Assignor, in assigns, the t for said in iority based 	other good and ve tending to be lega a full and exclusive vention, including	aluable considera ally bound, hereb e right, title and in all divisions, con Letters Patent, in	tion, th / sells, nterest tinuation	receipt of will assigns and to assigns and to said ons, and continuities, and contin	a sum corresponding to hich is hereby ransfers to Assignee, its invention, all applications huations-in-part thereof, all se obtained therefor,
Assignor	hereby wa		ignment, sale, ac	reeme		ance has been or will be
Assignor a legal represent possession, relat hereto, to execu	agrees it s ative there ing to the n te all instru	hall be legally bou of, to supply all inf taking and practic ments proper to p	ind, upon reques ormation and evi te of said invention atent the invention	t of the dence in, to te	of which the A estify in any leg e United State	ts successors or assigns or ssignor has knowledge or gal proceeding relating s of America and foreign y out the intent of this
In witness	s whereof,	ihis Assignment is	executed on the	day ir	dicated below	5 %
	Typed or	Printed Name	Sia	nature		Date
SIGNATURE		jang Duan	Yuang	ang	Duan	2017-02-15
	Jie	Zhang	J	ye (sare)	9	2017-02-15
	* Witness to	Assignor	* Witness to /	Assigno	jaga kinganangan pangangan pan	

(SC3-1621-CSFT/00558730v1)

ASSIG	NMENT	- Patent App	olication	Docket Number: SCI-1	\$21- US FT
Whereas, the	Assignor, co	mprising the follow	ing camed inven	***************************************	
ASSIGNOR(s) INVENTOR(s)	8 :	shuang Li			
made an inver	tion entitled	MAIN PUMP SI POWER STATI	HAFT SEAL WAT ON	ER INJECTION SYSTE	M OF A NUCLEAR
for which an ap (Selectione of th	oplication for re following):	Letters Palent of I	he United States		
Was filed	in the U.S.	ntly herewith Palent and Traden ation Serial No.: _	nark Office on 15/373.495	12/09/2016	
ASSIGNEE (Full Name, Ad	dress and	1) China Nuclea No. 69 Shennan China	r Power Engined Zhong Road, Fi	ering Co., Ltd. utian District, Shenzher	, Guangdong 518823
Country)		2) Shenyang Blower Group Nuclear Power Pumps Co., Ltd. No. 16 Development Road, Economic & Technical Development Zone, Shenyang, Liaoning 110142 China			
		3) China Genera Floors 17-19, Sc District, Shenzh China	ience Building,	No. 1001 Shangbu Zhor	ng Road, Futian
is desirous of a obtained theref	cquiring our or,	entire right, title ar	id interest in and	to said invention and the	Letters Patent to be
acknowledged, successors and for Letters Pate rights to claim p	ou), and for Assigner, in Lassigns, the office of the said in Office of the said in	other good and va- tending to be legal a full and exclusive vention, including	luable considerat ly bound, hereby rright, title and in all divisions, cont etters Patent, inc	ignee to Assignor of a su ion, the receipt of which i sells, assigns and transfi terest in and to said inver inuations, and continuation fuding reissues, to be ob sponding thereto.	s hereby ers to Assignee, its ntion, all applications
Assigno	ir hereby wa		onment, sale, agr	eement or encumbrance	has been or will be
Assigno a legal represer possession, rela thereto, to exec	or agrees it s ntative there ating to the r ute all instru	hall be legally bou of, to supply all info naking and praction ments proper to pa	nd, upon request ormation and evid e of said invention stent the invention	of the Assignee or its sur ence of which the Assign n, to testify in any legal pr n in the United States of A ments proper to carry out	or has knowledge or occeeding relating
In witne	ss whereof,	this Assignment is	executed on the	day indicated below.	
	Typed or	Printed Name	Sign	ature	Date
SIGNATURE	Zhong	ishuang Li	Zhongsl	uimy li	2017-02-15
	Jie	Zhang	V- =	mang li	2017-02-15
	* Witness to	Assignor	* Witness to A		***************************************

(\$C1-1621-USP3/90558733v1)

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ASSIGI	VMENT	- Patent Ap	plication	Docket Numbe	: <u>SCI-1621-USFT</u>
Whereas, the A	ssignar, co	roprising the follow	and named have	to the property of the property of the state of the second	
ASSIGNOR(s) INVENTOR(s)	Wei Fu				
made an invent	on entitled:	MAIN PUMP SI POWER STATI	<u>iaft seal w</u> On	TER INJECTION	SYSTEM OF A NUCLEAR
for which an app (Select one of the	olication for following):	Letters Patent of (he United State	*************************************	
🔯 was filed i	n the U.S. F	ntly herewith Patent and Traden ation Serial No.:	erk Office on	12/09/2016	inicat
ASSIGNEE (Full Name, Add Couritry)	ress and	2) Shenyang Blo	Zhong Road, I rwer Group Nu rent Road, Ecc	futian District, St clear Power Pum	nenzhen, Guangdong 518023 ps Co., Ltd. sal Development Zone,
		3) China Genera Floors 17-19, Sci District, Shenzhe China	ience Building	No. 1001 Shang	bu Zhong Road, Futian
is desirous of according the contract of the c	quiring our (';	antire right, title an	d interest in and	to said invention	and the Leiters Patent to be
acknowledged, A successors and a for Letters Patent rights to claim pri including any and	esignor, into assigns, the for said into ority based all foreign	ending to be legall full and exclusive ention, including a thereon, and all Li patent rights in thi	uable considers y bound, hereb right, title and li all divisions, cor etters Patent, in s invention corr	tion, the receipt of sells, assigns an iterest in and to sa tinuations, and co cluding reissues, to sponding thereto	d transfers to Assignee, its aid invention, all applications ntinuations-in-part thereof, all o be obtained therefor,
Assignor made or entered	hereby war into which v	rants that no assig vould conflict with	inment, sale, ag this Assignmen	reement or encun	ibrance has been or will be
Assignor legal representa cossession, relati hereto, to execut	agrees it shative thereong to the means and the means and the means all instruments.	nall be legally boun f, to supply all info aking and practice gents proper to ba	nd, upon reques rmation and evi of said invention	of the Assignee of dence of which the note testify in any	or its successors or assigns or a Assignor has knowledge or legal proceeding relating ates of America and foreign arry out the intent of this
In witness	whereof, t	his Assignment is o	executed on the	day indicated bet	ow.
<u> </u>	Typed or F	Printed Name	Sig	nature	Date
SIGNATURE	W	ei Fu	Wel	ħ	2017-02-15
	Jie :	Zhang	Tre	Fu Shony	2017-02-15

(SCI-1621-USPT-00558735v1)

* Witness to Assignor

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ASSIGN	VMENT	- Patent Ap	plication	Occidet Number:	SCI-1621-USPT
Whereas, the A	ssigner, co	mposing the follow	ring named invi	Britans.	
ASSIGNOR(e)/ INVENTOR(e)	Guohu	i Cong			
roside an inveni	on entilled	MAIN PUMP SI POWER STATI	HAFT SEAL W ON	ATER INJECTION S	YSTEM OF A NUCLEAR
for which an app (Select one of the	Dication for	Leiters Patent of	the United Stat	28.	
☐ is execute ☑ was filed i	d concurre	ntly herewith Patent and Traden ation Serial No.: _	nark Office on 16/373,495	12/09/2016	us
ASSIGNEE Full Name, Add	iress and	1) China Nuclea No. 69 Shennan China	ır Power Engir ı Zhong Road,	seering Co., Ltd. Futian District, She	inzhen, Guangdong 518023
Country)		2) Shenyang Blo No. 16 Develops Shenyang, Liao China	nent Road, Ec	ıclear Power Pump onomic & Technica	s Co., Ltd. il Development Zone,
		3) China Genera Floors 17-19, So District, Shenzh China	ience Building	g, No. 1001 Shangb	u Zhong Road, Futian
desirous of ac	quiring our r,	entire right, tille al	nd interest in ar	nd to said invention a	nd the Letters Palent to be
Jne Dollar (\$1.0 loknowledged, / luccessors and or Letters Paten ights to claim pr	0), and for Assignor, in assigns, the It for said in fority based	other good and va lending to be lega a full and exclusive vention, including I thereon, and all I	luable consider lly bound, here o right, title and all divisions, oc etters Patent.	ation, the receipt of a second systems and interest in and to saintinuations, and continuations, and continuations, and continuations.	of a sum corresponding to which is hereby transfers to Assignee, its id invention, all applications tinuations-in-part thereof, all be obtained therefor,
Assignor	hereby wa		gnment, sale a	areement or encum	orance has been or will be
i legal represent lossession, relat hereto, to execu	ative therei ling to the r te all instru	of, to supply all infi naking and practic ments proper to pa	ormation and e e of said invent atent the invent	vidence of which the ion, to testify in any i ion in the United Sta	rits successors or assigns or Assignor has knowledge or legal proceeding relating les of America and foreign arry out the intent of this
In witnes	s whereof,	this Assignment is	executed on the	ne day indicated belo	W.
	Typed or	Printed Name	· · · · · · · · · · · · · · · · · · ·	gnature	Date
SIGNATURE	Guo	nui Cong	Luohu	i Lorg	2017-02-15
	Jie	Zhang	1.00	shan 4	2017-02-15
i de la companya de l	* Witness to	Assignor	* Witness to	Assignor	

(SCI-1621-USPE/00358737v1)

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		- Patent App		X Number: <u>SCI-1621-USPT</u>		
Whereas, the	Assignor, ed	mprising the follow	ring named inventors:			
ASSIGNOR(s INVENTOR(s)		Chen				
made an inver	ntion entitled	MAIN PUMP SH POWER STATI	HAFT SEAL WATER IN . ON	JECTION SYSTEM OF A NUCLEAR		
for which an a (Select one of the	pplication fo	Letters Patent of t	he United States:			
☐ is execu 図 was filed	ted concurre i in the U.S.	ntly herewith Patent and Tradent sation Serial No.: _	nark Office on <u>12/0</u> 15/373,495	9/2016		
ASSIGNEE (Full Name, Address and Country) 1) China Nuclear Power Engineering Co., Ltd. No. 69 Shennan Zhong Road, Futian District, Shenzhen, Guangdong 5						
		Shenyang Blower Group Nuclear Power Pumps Co., Ltd. No. 16 Development Road, Economic & Technical Development Zone, Shenyang, Liaoning 110142 China				
		Floors 17-19, Sc	l Nuclear Power Group ience Building, No. 100 en, Guangdong 518031	31 Shangbu Zhong Road, Futian		
is desirous of a obtained theref	cquiring our for,	entire right, title an	id interest in and to said	invention and the Letters Patent to be		
acknowledged, successors and for Letters Pale rights to claim (.00), and for Assignor, in I assigns, th ent for said in priority bases	other good and val tending to be legal a full and exclusive ivention, including a I thereon, and all L	luable consideration, the ly bound, hereby sells, a right, title and interest in all divisions, continuation	D Assignor of a sum corresponding to receipt of which is hereby ssigns and transfers to Assignee, its and to said invention, all applications and continuations-in-part thereof, all reissues, to be obtained therefor, at thereto.		
Assigno	or hereby wa		onment, sale, agreement	t or encumbrance has been or will be		
Assigno a legal represer possession, reli thereto, to exec	or agrees it s ntative there ating to the r oute all instru	half be legally bour of, to supply all info naking and practice ments proper to pa	nd, upon request of the A irmation and evidence of a of said invention, to tes itent the invention in the	Assignee or its successors or assigns or f which the Assignor has knowledge or stiffy in any legal proceeding relating United States of America and foreign proper to carry out the intent of this		
In witne	ss whereof,	this Assignment is	executed on the day indi	icated below.		
	Typed or	Printed Name	Signature	Date		
SIGNATURE	Zh	o Chen	zhav Cher	ر 2017-02-15		
		Zhang	Te w	2917-02-15		
	* Witness to	Assignor	* Witness to Assignor			

(SCI-1621-L/SP1/00558738v1)

ASSIGNMENT - Patent Application Docket Number: SCI-1621-USPT							
Whereas, the Assignor, composing the following named inventors:							
ASSIGNOR(s)/ Xiaowu Song INVENTOR(s)							
made an invention entitled: MAIN PUMP SHAFT SEAL WATER INJECTION SYSTEM OF A NUCLEAR POWER STATION							
for which an application for Letters Patent of the United States: (Select one of the following):							
is executed concurrently herewith was filed in the U.S. Patent and Trademark Office on 12/09/2016 as U.S. Patent Application Serial No.: 15/373,495							
ASSIGNEE (Full Name, Address and Country)		1) China Nuclear Power Engineering Co., Ltd. No. 69 Shennan Zhong Road, Futian District, Shenzhen, Guangdong 518023 China					
		2) Shenyang Blower Group Nuclear Power Pumps Co., Ltd. No. 16 Development Road, Economic & Technical Development Zone, Shenyang, Liaoning 110142 China					
	3) China General Nuclear Power Group Floors 17-19, Science Building, No. 1001 Shangbu Zhong Road, Futian District, Shenzhen, Guangdong 518031 China						
is desirous of acquiring our entire right, title and interest in and to said invention and the Letters Patent to be obtained therefor,							
Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns, the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions, continuations, and continuations-in-part thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.							
		mants that no assignmer would conflict with this A		encumbrance has been or will be			
Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument.							
In witness whereof, this Assignment is executed on the day indicated below.							
	Typed or	yped or Printed Name Signature		Date			
SIGNATURE	Xiaowu Song		Xiaowu Sang	2017-02-15			
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Jie Zhang

* Witness to Assignor

PATENT REEL: 041304 FRAME: 0046

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ASSIGNMENT - Patent Application Docket Number: <u>SCI-1621-USPT</u>							
Whereas, the Assignor, comprising the following named inventors:							
ASSIGNOR(s) Vanzhang Liu INVENTOR(s)							
made an inven	tion entitled	MAIN PUMP SH POWER STATIC	AFT SEAL WA	TER INJECTION	SYSTEM OF A NUCLEAR		
(Select one of the Select one	e <i>following):</i> ed concurre in the U.S.	Letters Patent of the national transfer of the national tradem cation Serial No.:	ark Office on		}		
ASSIGNEE (Full Name, Address and Country)		1) China Nuclear Power Engineering Co., Ltd. No. 69 Shennan Zhong Road, Futian District, Shenzhen, Guangdong 518023 China 2) Shenyang Blower Group Nuclear Power Pumps Co., Ltd. No. 16 Development Road, Economic & Technical Development Zone, Shenyang, Liaoning 110142 China					
	3) China General Nuclear Power Group Floors 17-19, Science Building, No. 1001 Shangbu Zhong Road, Futian District, Shenzhen, Guangdong 518031 China						
is desirous of a obtained theref	cquiring our	entire right, title an	d interest in and	to said invention	and the Letters Patent to be		
acknowledged, successors and for Letters Pate rights to claim p	00), and for Assignor, ir Lassigns, th nt for said in infority base	other good and vali itending to be legall e full and exclusive ivention, including a	uable considera y bound, hereb right, title and ii ill divisions, con ≊tters Patent, in	tion, the receipt of sells, assigns an iterest in and to sa tinuations, and co cluding reissues. I	d transfers to Assignee, its aid invention, all applications intinuations-in-part thereof, all be obtained therefor		
Assigno made or entere	or hereby wa d into which	irrents that no assig would conflict with	inment, sale, ag this Assignmen	reement or encum	brance has been or will be		
possession, relative thereto, to exec	ntative there ating to the i ute all instru	or, to supply all info naking and practice iments proper to pa	rmation and evi of said invention tent the invention	dence of which the on, to testify in any on in the United Sta	or its successors or assigns or assigns or assignor has knowledge or legal proceeding relating ates of America and foreign arry out the intent of this		
In witness whereof, this Assignment is executed on the day indicated below.							
	Typed or	Printed Name	Sig	nature	Date		
SIGNATURE	Yan	thang Liu	Yanzho	ng Lin	2017-02-15		
	Jìo	Zhang	Service .	~ 1 ~ 0	2017-02-15		

(SCI-1621-1/SP E/0055E748v1)

* Witness to Assignor

ASSIGN	IMENT	- Patent App	lication	Docket Number: §	Ci-1621-USPT	
Whereas, the A	asignor, co	oprising the follows	ng named inve			
ASSIGNOR(a) Xueling Wang INVENTOR(a)						
made an inventi	on entitled:	MAIN PUMP SH POWER STATIC	AFT SEAL W/	NTER INJECTION SY	STEM OF A NUCLEAR	
for which an app (Selectione of the	dication for	Letters Patent of th	e United State	S.		
☐ is execute ⊠ was filed i	d concurre	ntly herewith Palent and Tradema ation Serial No.:	ark Office on _ 15/373,495	12/09/2016,		
ASSIGNEE (Full Name, Add Country)	ress and	1) China Nuclear Power Engineering Co., Ltd. No. 69 Shennan Zhong Road, Futian District, Shenzhen, Guangdong 518023 China 2) Shenyang Blower Group Nuclear Power Pumps Co., Ltd. No. 16 Development Road, Economic & Technical Development Zone, Shenyang, Liaoning 110142 China				
3) China General Nuclear Power Group Floors 17-19, Science Building, No. 1001 Shangbu Zhong Road, Futian District, Shenzhen, Guangdong 518031 China						
is desirous of ac obtained therefo	quiring our r.	entire right, title and	d interest in an	d to said invention an	d the Letters Patent to be	
One Dollar (\$1.0 acknowledged, A successors and for Letters Paten rights to claim pr	0), and for Assignor, in assigns, the I for said in ionty based	other good and valu tending to be legally a full and exclusive vention, including a	lable consider. y bound, hereb right, title and ill divisions, co etters Patent, in	ation, the receipt of w y sells, assigns and t interest in and to said itinuations, and conti- icluding relesues, to t	ransfers to Assignee, its invention, all applications nuations-in-part thereof, all	
Assignor made or entered	hereby wa into which	rrants that no assig would conflict with t	nment, sale, a this Assignmer	greement or encumbr	ance has been or will be	
a legal represent possession, relat thereto, to execu	ative therei ing to the r te all instru	of, to supply all infor naking and practice ments proper to pat	mation and ever of said invention ent the inventi	idence of which the A on, to testify in any le on in the United State	ts successors or assigns or assigns or assignor has knowledge or gal proceeding relating as of America and foreign by out the intent of this	
In witnes	s whereof,	this Assignment is e	executed on th	e day indicated below	4.	
ſ	Typed or	Printed Name	Si	nature	Date	
SIGNATURE	Xuel	ing Wang	Xuel	ing Wang	2017-02-15	
	Jie	Zhang	Sie	ig Vong Zang	2017-02-15	

(SC4-1521-USPT/00558741VL)

* Witness to Assignor

ASSIG	NMENT	- Patent A	pplication	Docket Number: SC	3-1621-USPT	
Whereas, the	Assignor, oc	mprising the folio	wing named inve			
ASSIGNOR(s INVENTOR(s		g Ma				
made an inver	ntion entitled	MAIN PUMP POWER STA	SHAFT SEAL WA	TER INJECTION SYS	TEM OF A NUCLEAR	
for which an a (Select one of the	pplication for se <i>following</i>);	Letters Patent o	f the United State	\$?		
☐ is execu ⊠ was filed	ted concurre	ntly herewith Patent and Trade vation Serial No.:	emark Office on 15/373,495	12/09/2016 ,		
ASSIGNEE (Full Name, Address and Country)		1) China Nuclear Power Engineering Co., Ltd. No. 69 Shennan Zhong Road, Futian District, Shenzhen, Guangdong 518023 China				
		Shenyang Blower Group Nuclear Power Pumps Co., Ltd. No. 16 Development Road, Economic & Technical Development Zone, Shenyang, Liaoning 110142 China				
		Floors 17-19, 9	ral Nuclear Powe Science Building, hen, Guangdong	No. 1001 Shanobu Z	hong Road, Futian	
is desirous of a obtained theref	cquiring our or,	entire right, title :	and interest in and	to said invention and	the Letters Patent to be	
acknowledged, successors and for Letters Pate rights to claim p	Assignor, in Assignor, in I assigns, the office the office of the original assigns and the original assignment of the original assignment original assignment of the original assignment of the original assignment of the original assignment of the original assignmen	outer good and vitending to be leg a full and exclusive vention, including I thereon, and all	faiuable considera ally bound, hereby re right, title and in g all divisions, con Letters Patent, in	tion, the receipt of whi r sells, assigns and tra iterest in and to said in	nsfers to Assignee, its	
Assigno	и hereby wa	rrants that no as		resment or anoumbou	nce has been or will be	
Assigno a legal represer possession, rela thereto, to exec	or agrees it s ntative there ating to the n ute all instru	hall be legally bo of, to supply all in taking and practi ments proper to p	und, upon reques formation and evi- ce of said inventionation	t of the Assignee or its dence of which the Ass n. to testify in any lens	of America and foreign	
In witne	ss whereof,	this Assignment	is executed on the	day indicated below.		
·			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		~	
SIGNATURE	and described to the second	Printed Name	Sig	18ture	Date	
eioiati mile	Jiaj	ong Ma	Jiajiong	Ma	2017-02-15	
	Jie	Zhang	e l'ime	shang	2017-02-15	
	* Witness to	Assignor	* Witness to A	ssignor V		

(SCI-1621-USPT/00558742v1)

grafia filosofia							
ASSIG	NMENT	- Patent App	lication	Docket Number	SCI-1021-USPT		
Whereas the a	Assignor, co	mprising the follow	1.70	otors:			
	ASSIGNOP(s) Yixun Zhang INVENTOR(s)						
made an inven	tion entitled:	MAIN PUMP SH POWER STATIC	IAFT SEAL W/ 2N	STER INJECTION S	YSTEM OF A NUCLEAR		
for which an ap (Select one of th	plication for	Letters Patent of the	ne United State	5;			
☐ is execut 図 was filed	ed concurre in the U.S. I	ntly herewith Patent and Tradem ation Serial No.:	ark Office on 15/373,495	12/09/2016	s.		
ASSIGNEE		China Nuclear Power Engineering Co., Ltd. No. 69 Shennan Zhong Road, Futian District, Shenzhen, Guangdong 518023 China					
(Full Name, Address and Country)		2) Shenyang Blower Group Nuclear Power Pumps Co., Ltd. No. 16 Development Road, Economic & Technical Development Zone, Shenyang, Liaoning 110142 China					
3) China General Nuclear Power Group Floors 17-19, Science Building, No. 1001 S District, Shenzhen, Guangdong 518031 China					Zhong Road, Futian		
is desirous of a obtained therefore	cquiring our or,	entire right, title an	d interest in an	d to said invention ar	nd the Letters Patent to be		
One Dollar (\$1. acknowledged, successors and for Letters Pate rights to claim p	00), and for Assignor, in assigns, the office the offic	other good and val tending to be legall a full and exclusive vention, including a I thereon, and all L	uable consider. ly bound, hereb right, title and all divisions, col etters Patent, in	ation, the receipt of w y sells, assigns and t nterest in and to saic atinuations, and cont	f a sum corresponding to thich is hereby transfers to Assignee, its finvention, all applications inuations-in-part thereof, all be obtained therefor,		
Assigno made or entere	ir hereby wa d into which	rrants that no assig would conflict with	inment, sale, a this Assignmer	greement or encumb it.	rance has been or will be		
a legal represer possession, rela thereto, to exec	ntative there eting to the n ute all instru	of, to supply all info making and practice ments proper to pa	rmation and evention of said inventions of said inventions.	idence of which the / on, to testify in any le on in the United State	its successors or assigns or Assignor has knowledge or egal proceeding relating es of America and foreign try out the intent of this		
In witne	ss whereof,	this Assignment is	executed on th	e day indicated belov	v.		
alainetteen teenteenteeliseliseliseliseliseliseliseliseliseli	Typed or	Printed Name	Si	nature	Date		
SIGNATURE	Yixu	ın Zhang	Yixur	1Zhang	2017-02-15		
	Jie	Zhang	· · · · · · · · · · · · · · · · · · ·	An or a resident	2017-02-15		

(SCI-1621-OSPT-00558743vi)

* Witness to Assignor

PATENT REEL: 041304 FRAME: 0050

RECORDED: 02/20/2017