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SUBMISSION TYPE: CORRECTIVE ASSIGNMENT **NATURE OF CONVEYANCE:** Corrective Assignment to correct the RECEIVING PARTY COUNTRY previously recorded on Reel 041190 Frame 0554. Assignor(s) hereby confirms the ASSIGNMENT. **RESUBMIT DOCUMENT ID:** 504250735

CONVEYING PARTY DATA

Name	Execution Date
Qiuming TANG	12/26/2016
Ziqing GUO	12/26/2016
Mushen WANG	12/26/2016
Aijun ZHANG	12/26/2016

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State/Country:	China		
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15322289

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ATTORNEY DOCKET NUMBER: 174277 PAMELA BALLARD NAME OF SUBMITTER: SIGNATURE: /Pamela Ballard/

PATENT REEL: 042167 FRAME: 0634 504343950

DATE SIGNED:	04/28/2017
Total Attachments: 4	
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PATENT REEL: 042167 FRAME: 0635



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SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT		
CONVEYING PA	RTY DATA			
Name			Execution Date	
Qiuming TANG			12/26/2016	
Ziqing GUO			12/26/2016	
Mushen WANG			12/26/2016	
Aijun ZHANG			12/26/2016	
RECEIVING PAR	SHIJIAZHUAN		RY ELECTRICAL CO., LTD.	
	SHIJIAZHUAN	G GUAN ROAD, XIN ZH	'	
Name: Street Address: Internal Address: City:	SHIJIAZHUAN NO. 12 HUAN	G GUAN ROAD, XIN ZH DUNTY	RY ELECTRICAL CO., LTD.	
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Name: Street Address: Internal Address: City:	SHIJIAZHUAN NO. 12 HUAN ZHAOXIAN CO SHIJIAZHUAN JAPAN 051530 MBERS Total:	G GUAN ROAD, XIN ZH DUNTY IG, HEBEI 1	RY ELECTRICAL CO., LTD.	

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CORRESPONDENCE DATA

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Fax Number: (703)836-2787 Phone: 703-836-6400 Email: email@oliff.com 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. Correspondent Name: GANG LUO Address Line 1: OUFF PLC Address Line 2: P.O. BOX 320850 Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850 ATTORNEY DOCKET 174277 NUMBER: NAME OF SUBMITTER: PAMELA BALLARD Signature: /Pamela Ballard/ Date: 12/27/2016 Total Attachments: 2 source=4637832_1#page1.tif source=4637832_1#page2.tif RECEIPT INFORMATION EPAS ID: PAT4201524 Receipt Date: 12/27/2016

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REEL: 042167 FRAME: 0637

ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

ASSIGNMENT

	morre	(1)	Quanting (2000)	143	Siding GOO	
(8-1)	Legal Name(s)	(3)	Mushen WANG	(4)	Aijun ZHANG	S 58
	of inventor(s)	(3)		(6)		
		(7)		(8)		***************************************
		the un	sideration of the sum of one dersigned, the receipt and s , and hereby does assign, tr	ufficiency of which are h	r good and valuable consideration screby acknowledged, each under	n paid to each of signed agrees to
(9)	Insert Name of Assignce	(9)	SHUIAZHUANG SUCC	ess machinery eli	ECTRICAL CO., LTD.	
(10)	Insert Address of Assignee	(10)	No.12 Huang Guan Road, Xin Zhai Dian Industrial Park, Zhaoxian county Shijinžituang, Hebei 051530, CHINA			
		the en invent contin	tire right, title and interest fo ion, and in all applications (or the United States of A for patent including any I ute and reissue application	irs, successors, assigns and legal merica as defined in 35 U.S.C. § and all provisional, non-provision on(s), and all Letters Patent, exten- nyention known as	100, in the
(11)	Insert Identification such as Title, Case Number, or Foreign Application Number	(ñ)			ING EMULSION EXPLOSIVE A STATIC STATE WITHOUT	
		(Attor	ney Docket No. 174277), fi	led on even date herewith or as	95
(12)	Alternative	(12)	U.S. Application Number	15/322,289		35 S
	Identification for filed applications	filed		December 27, 2	016	

Each undersigned agrees to execute all papers necessary in connection with any application and/or patent for the invention and also
to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning any application or patent for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding.

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all patents resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLIFF PLCthe power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

(13) Declaration

As an above named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (3) years, or both.

REEL: 042167 FRAME: 0638

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	26-12-2016	Inventor Signature	/ River	(SEAL)		
Date	26-12-2016	Investor Signature	4 × 19	(SEAL)		
Date	26-12-2016	Inventor Signature	3米中	(SEAL)		
Date	26-12-2016	Inventor Signature	<u> </u>	(SEAL)		
Date		Inventor Signature		(SEAL)		
Date		Inventor Signature		(SEÄL)		
Date		Inventor Signature		(SEAL)		
Date:	* s	Inventor Signature		(SEAL)		
This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:						
Date	26-12-2016	Witness	<u> </u>			
Date	26-12-2016	Witness	<u> </u>			