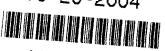
FORM PTO-1595 (Modified) (Rev. 03-01)
OMB No. 0651-0027 (exp.5/31/20)
P08/REV03

10-20-2004



Docket No.: 01640309AA

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To the Director of the United States	Patent a	nd Trademark Offic	e: Please red	our attached orig	ginal documents or co	opy thereof.	
Name of conveying party(ies): Qin Huang Xigen Zhou Xhenxue Xu			Name:	and address of reconstruction Virginia Polytechi Address:	eiving party(ies): nic Institute & State	Universit y	
Additional names(s) of conveying party(ies)	C	☐ Yes ☒ No			<u> </u>	Ψ.	
3. Nature of conveyance:					14.,		
Assignment ■ Assignment ■	☐ Mer	ger	Street	Address:	10/1		
Security Agreement	☐ Cha	nge of Name			()		
Other	,		City: B	Blacksburg	State: VA	ZIP: <u>24060</u>	
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4. Application number(s) or patent number	nbers(s)	:					
If this document is being filed toget	ner with	a new application,	the execut	tion date of the app	lication is:	···	
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10/390,712 filed 03/19/03							
5. Name and address of party to who concerning document should be market	n corres	ional numbers attac		Yes 🛛 No	ons and patents inv	olved:	
Name: Michael E. Whitham			7. Total fo	ee (37 CFR 3.41):	\$ 40.00		
Internal Address:			⊠ En	closed - Any exces edited or debited to	ss or insufficiency s deposit account	hould be	
			☐ Au	thorized to be char	ged to deposit acco	ount	
Street Address: Whitham, Curtis	& Christe	offerson, P.C.	8. Depos	it account number:			
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City: Reston S	ate: <u>VA</u>	ZIP: 20190	(Attach	duplicate copy of this pa	age if paying by deposit	account)	
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9. Statement and signature. To the best of my knowledge and to of the original document. Marchall M. Courtin Dec. No. 22.16		e foregoing inform	ation is true	and correct and a	1_		
Marshall M. Curtis - Reg. No. 33,13 Name of Person Signing	00	Mas	Signati	ire	October 14, 2	UU4	
10/19/2004 DBYRNE 00000143T107397713710			neet, attachn	nents, and document	1 2 -		
	Mail doc	uments to be recorded with	required covers	meet imornation to:			

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Docket:01640309AA

ASSIGNMENT OF INVENTION

WHEREAS, WE, Qin Huang, Xigen Thou and Thenware Xu, have invented certain new and useful improvements in SOLID STATE DC CIRCUIT RREAKER for which an U.S. Patent application was executed on March 18, 2003 and filed on 03/19/2003 and accorded serial number 10/390,712 and

WHEREAS, Virginia Polytechnic Institute & State
University, an institute of higher education organized under
the laws of the Commonwealth of Virginia, having an office and
principal place of business at Blacksburg, Virginia
hereinafter referred to as Assignee, is desirous of acquiring
an interest in said invention and in any Letters Patent which
may be granted therefor.

NOW THIS INDENTURE WITNESSETH, That for a valuable consideration, the receipt of which is hereby acknowledged, We hereby assign, sell and transfer unto the said assignee, the entire right, title and interest in and to inventions disclosed in said application and in and to any Letters Patent of the United States and in and to any Letters Patent or Inventor's Certificates of any and all foreign countries which may be granted therefor, and in and to any and all priority and/or Convention rights or benefits accruing or to accrue to us with respect to the filing or securing of patents in the United States and/or securing of patents or inventor's certificates in any and all countries foreign thereto.

AND we hereby grant to assignee the right to apply in its own name for patents or inventor's certificates corresponding to the above invention in countries foreign to the United States.

AND we hereby further agree to sign and properly execute such necessary and lawful papers for application for foreign patents and inventor's certificates for filting applications for United States, foreign patents and inventor's certificates for subdivisions of any applications for patent or inventor's certificate and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid

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invention and to perform such further acts as may be required to carry out the intent of this agreement as the assignee thereof shall hereafter require and prepare at assignee's expense.

WITNESSETH, my hand and seal this _____ day of

Qin Huang

Witness

kigen Zhou

WITTHES

Zhenzue Xu

Withess

RECORDED: 10/14/2004

PATENT REEL: 015887 FRAME: 0742