PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHUANG FU	06/05/2014
HONG RAO	06/05/2014
SHUKAI XU	06/05/2014
XIAOLIN LI	06/05/2014

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14357169

CORRESPONDENCE DATA

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ATTORNEY BOOKET NUMBER.	
ATTORNEY DOCKET NUMBER:	0113/0119PUS1
NAME OF SUBMITTER:	JOE MCKINNEY MUNCY
SIGNATURE:	/Joe McKinney Muncy/
DATE SIGNED:	06/26/2014

Total Attachments: 2

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PATENT REEL: 033184 FRAME: 0337

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MUNCY, GEISSLER, OLDS & LOWE, PLLC

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Application No. 14/357,169

Filed 8 May 2014

Insert Name(s) of Inventor(s)

(Given Name FAMILY NAME)

WHEREAS, Chuang FU, Hong RAO, Shukai XU, Xiaolin LI,

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in

Insert Title

of invention

MULTI-FUNCTIONAL DIRECT CURRENT ICE MELTING AUTOMATIC SWITCHING CIRCUIT AND SWITCHING METHOD THEREOF

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).

Insert Date of Signing of Application

m	s	anc	1

Insert Name

of Assignee

WHEREAS, Electric Power Research Institute, China Southern Power Grid

Insert Address of Assignce

of Yue Dian Da Sha, No. 8, Shui Jun Gang, Dong Feng Dong Road, Yue Xiu District Guangzhou, Guangdong, China, 510080

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

CHECK BOX IF APPROPRIATE in any foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

February 2009

PATENT REEL: 033184 FRAME: 0338

Attorney Docket No. 0113/0119PUS1

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

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

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Muncy, Geissler, Olds & Lowe, PLLC the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

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

Date_	24-6-5	Name of Inventor Fu Chuay . (signature) Chuang FU	~~~~
Date_	2014-6-5	Name of Inventor PAO Hong (signature) Hong RAO	
Date _	2014-6-5	Name of Inventor XV Shukev (signature) Shukai XU	
Date_	2014-6-5	Name of Inventor Li Xiao Lin	

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