503263913 04/14/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
HITACHI POWER EUROPE GMBH	03/31/2014

RECEIVING PARTY DATA

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State/Country:	GERMANY		
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PROPERTY NUMBERS Total: 3

Property Type	Number
Application Number:	13656449
Application Number:	13717472
Application Number:	14001491

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NAME OF SUBMITTER: THOMAS COWAN

SIGNATURE: /Thomas Cowan/

DATE SIGNED: 04/14/2015

Total Attachments: 2

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ASSIGNMENT

WHEREAS, **HITACHI POWER EUROPE GMBH**, having offices at Schifferstr. 80, 47059 Duisburg, Germany (hereinafter "ASSIGNOR"), represents and warrants that it is the sole owner of the entire right, title, and interest to certain new and useful improvements for which ASSIGNOR has filed the following United States applications for Letters Patents in the United States (hereinafter "the Patent Applications"):

Application No.	Filing Date	<u>Title</u>	
13/656449	October 19, 2012	METHOD FOR GENERATING A STRESS REDUCTION IN ERECTED TUBE WALLS OF A STEAM GENERATOR	
13/717472	December 17, 2012	METHOD FOR REDUCING THE OXYGEN CONTENT IN STEAM GENERATOR WALL TUBES	
14/001491	August 23, 2013	SOLAR THERMAL ENERGY GENERATING PLANT AND METHOD FOR OBTAINING ENERGY BY MEANS OF A SOLAR THERMAL ENERGY GENERATING PLANT	

WHEREAS, **MITSUBISHI HITACHI POWER SYSTEMS EUROPE GMBH**, having offices at Schifferstrasse 80, 47059 Duisburg, Germany (hereinafter "ASSIGNEE") desires to purchase the entire right, title, and interest in and to the inventions disclosed in the Patent Applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby further acknowledges that it has sold, assigned, and transferred, and by these presents does hereby sell, assign, and transfer, unto ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest throughout the world in, to, and under the said improvements, and the said Patent Applications and all Patents that may be granted thereon, and all provisional applications relating thereto, and all divisions, continuations, reissues, reexaminations, renewals, and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent that may hereafter be filed for said improvements or for the said Patent Applications in any country or countries foreign to and including the United States; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements and all Letters Patents resulting from the Patent Applications to ASSIGNEE, its successors, legal representatives, and assigns, in accordance with the terms of this Agreement.

ASSIGNOR does hereby sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to

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ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the said Patents before or after issuance;

ASSIGNOR hereby covenants and agrees that it will communicate to ASSIGNEE, its successors, legal representatives, and assigns any facts known to ASSIGNOR respecting the Patent Applications immediately upon becoming aware of those facts, and that it will testify in any legal proceeding involving any of the Patent Applications, will sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and will generally do everything possible to aid ASSIGNEE, its successors, legal representatives, and assigns to obtain and enforce the Patent Applications in all countries.

MITACHI	DOMED	RHRC	DE CMBH

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MITSUBISHI HITACHI POWER SYSTEMS EUROPE GMBH

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Head of Projects/Patents/Performance

Date: 31.03.2014

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RECORDED: 04/14/2015