

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
AHMET ERBIL	11/02/2011
DAVID F. WALBERT	11/02/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE NEOTHERMAL ENGERGY COMPANY
<b>Street Address:</b>	41 MUSCOGEE AVENUE, N.W.
<b>City:</b>	ATLANTA
<b>State/Country:</b>	GEORGIA
<b>Postal Code:</b>	30305
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14702027
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
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<b>ATTORNEY DOCKET NUMBER:</b>	0121816.102US5
<b>NAME OF SUBMITTER:</b>	TIM TINGKANG XIA
<b>SIGNATURE:</b>	/Tim Tingkang Xia/
<b>DATE SIGNED:</b>	08/16/2017
<b>Total Attachments: 4</b>	
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source=0121816.102US5 Assignment#page4.tif	

**ASSIGNMENT**

**THIS ASSIGNMENT**, made by Ahmet Erbil and David F. Walbert (hereinafter referred to as Assignors), residing at 1180 Francis St N.W., Atlanta, Georgia 30318; and 75 14th Street, 26th Floor, Atlanta, Georgia 30309, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in APPARATUS AND METHOD FOR RAPID THERMAL CYCLING USING TWO-PHASE HEAT TRANSFER TO CONVERT HEAT TO ELECTRICITY AND FOR OTHER USES, set forth in a Patent application for Letters Patent of the United States, filed on November 3, 2011, and received Serial No. 13/288,791; and

**WHEREAS**, The Neothermal Energy Company, a Corporation organized under and pursuant to the laws of Georgia having its principal place of business at 41 Muscogee Avenue, N.W., Atlanta, Georgia 30305 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application,

and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not

limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignors warrant and represent that the Assignors individually are not aware of any information that is material to patentability of the invention, namely, any information that, alone or in combination with other information, establishes on its face the unpatentability of the Invention or is inconsistent with arguments of patentability made to the U.S. Patent & Trademark Office. Material information may include devices, products, publications, and so forth, that are similar to the present invention, and/or any public disclosure, commercial use, or offer for sale more than one year prior to the filing date of the present application.

**AND** Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignors hereby grant the following individuals 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 United States Patent and Trademark Office for recordation of this document:

MORRIS, MANNING & MARTIN, LLP

All practitioners at Customer Number 24728

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: November 2, 2011

Signature: Ahmet Erbil  
Ahmet Erbil

Date: Nov. 2, 2011

Signature: David F. Walbert  
David F. Walbert