

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Leslie Leifer	05/22/2007
Jay D. Rowe	05/22/2007
RECEIVING PARTY DATA	
Name:	ELCAL Research LLC
Street Address:	2711 Centerville Road
Internal Address:	Suite 400
City:	Wilmington
State/Country:	DELAWARE
Postal Code:	19808
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12212822
CORRESPONDENCE DATA	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Address Line 4:	Princeton, NEW JERSEY 08543-5203
ATTORNEY DOCKET NUMBER:	Y2520-00008
NAME OF SUBMITTER:	Won Joon Kouh
Total Attachments: 2 source=Elcal_Assignment#page1.tif source=Elcal_Assignment#page2.tif	

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PATENT

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REEL: 025547 FRAME: 0793

ASSIGNMENT

For value received, We, **Leslie Leifer** of 311 Water Street, Hancock, Michigan, 49930, USA; and **Jay D. Rowe**, 530 Quartz Drive, Hancock, Michigan, 49930, USA, hereby sell, assign and transfer to **ELCAL Research, L.L.C.**, a limited liability company duly organized and existing under the laws of the State of Delaware, having a registered office located at 2711 Centerville Road, Suite 400, Wilmington, Delaware 19808 ("**ASSIGNEE**"), and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions described in United States Provisional Patent Application titled "**ACTIVE THERMAL ENERGY STORAGE SYSTEM,**" Serial No. 60/852,844, filed **October 19, 2006**, and all the rights and privileges in said provisional application and under any and all Letters Patent and any non-provisional applications, divisions, continuations, continuations-in-part, reexamination certificates, reissues, and extensions thereof that may be granted in the United States for said inventions or improvements in and to said inventions; and We also concurrently hereby sell, assign and transfer to **ASSIGNEE** the entire right, title and interest in and to said inventions or improvements in and to said provisional patent application for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

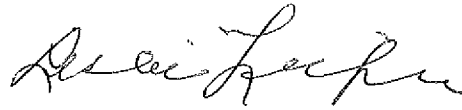
We authorize **ASSIGNEE** to make application for such protection in its own name and maintain such protection in the United States and in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of **ASSIGNEE** to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to **ASSIGNEE** in the United States and in all countries foreign to the United States, or to such nominees as **ASSIGNEE** may designate.

We agree that, when requested, We shall, without charge to **ASSIGNEE**, but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Dated: 5/22/07

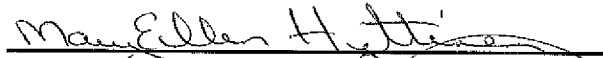


Leslie LEIFER


This 22 day of May, 2007, before me personally came the above-named **Leslie LEIFER** known as the individual who executed the foregoing Assignment, who acknowledged to me that he executed the same of her own free will for the purposes therein set forth.

Witness my hand and Notarial seal the day and year immediately above-written.

MARYELLEN HYTTINEN
Notary Public, Houghton County, MI
My Commission Expires Mar. 29, 2008


Notary Public

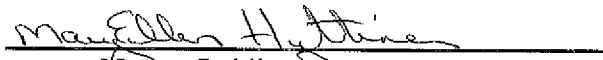
Dated: 5/22/2007


Jay D. ROWE

This 22 day of May, 2007, before me personally came the above-named **Jay D. ROWE** known as the individual who executed the foregoing Assignment, who acknowledged to me that he executed the same of her own free will for the purposes therein set forth.

Witness my hand and Notarial seal the day and year immediately above-written.

MARYELLEN HYTTINEN
Notary Public, Houghton County, MI
My Commission Expires Mar. 29, 2008


Notary Public