

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
EFFECTIVE DATE:	10/02/2006

CONVEYING PARTY DATA

Name	Execution Date
Robert C. DeVault	09/29/2006
David J Wesolowski	10/02/2006

RECEIVING PARTY DATA

Name:	UT-Battelle, LLC
Street Address:	One Bethel Valley Road
Internal Address:	4500N, MS-6258
City:	Oak Ridge
State/Country:	TENNESSEE
Postal Code:	37831-6258

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11536988

CORRESPONDENCE DATA

Fax Number: (865)574-0381
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: (865) 574-4178
 Email: bowmanke@ornl.gov
 Correspondent Name: Joseph A. Marasco
 Address Line 1: One Bethel Valley Road
 Address Line 2: 4500N, MS-6258
 Address Line 4: Oak Ridge, TENNESSEE 37831-6258

ATTORNEY DOCKET NUMBER:	1535
NAME OF SUBMITTER:	Karen E. Bowman

CH \$40.00 11536988

Total Attachments: 4

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RECORDATION FORM COVER SHEET
PATENTS ONLY

OMB No. 0651-0027 (exp. 6/30/2005)

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Robert C. DeVault
David J. Wesolowski

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: 10/2/2006

2. Name and address of receiving party(ies)

Name: UT-Battelle, LLC

Internal Address: P.O. Box 2008
MS-6258

Street Address: One Bethel Valley Road

City: Oak Ridge State: TN Zip: 37831-6258

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No. (s) 11/536,988

B. Patent No. (s) _____

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Joseph A. Marasco

Internal Address: UT-Battelle, LLC

P.O. Box 2008 MS-6258

Street Address: One Bethel Valley Road

City: Oak Ridge State: TN Zip: 37831-6258

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41).....\$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

13-1958

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9. Signature.

Joseph A. Marasco
Name of Person Signing


Signature

OCT 02 2006
Date

Total number of pages including cover sheet, attachments, and documents:

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

ASSIGNMENT

WHEREAS, we the below-named inventors whose residences and post office are as stated below, have invented certain new and useful improvements in

Liquid Metal Heat Exchanger for Efficient Heating of Soils and Geologic Formations

(hereinafter referred to as "Subject Invention") for which an application for United States Letters Patent was executed by us on even date herewith, and

WHEREAS, UT-BATTELLE, LLC, a limited liability company of the State of Tennessee, having an office at One Bethel Valley Road, P. O. Box 2008, Oak Ridge, Tennessee 37831-6258, hereinafter referred to as "ASSIGNEE," is desirous of acquiring the entire right, title and interest of the undersigned in the Subject Invention and to any Letters Patent that may be granted therefor in the United States of America and in any and all foreign countries.

NOW, THEREFORE, in accordance with the terms of our employment agreement with ASSIGNEE and for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign to ASSIGNEE our entire right, title and interest in the Subject Invention to all rights of priority thereto pursuant to the International Convention for the Protection of Industrial Property, and in any Letters Patent on the Subject Invention that may be granted in the United States of America and in any and all foreign countries, including any and all Letters Patent that are divisions, reissues, continuations, substitutions or extensions of any Letters Patent or applications therefor on the Subject Invention.

We hereby authorize and request the Commissioner of the United States Patent and Trademark Office and the officials of any and all foreign countries to issue any and all of said Letters Patent, when granted, to the ASSIGNEE.

Further, we hereby agree to communicate to said ASSIGNEE or its representatives any facts known to us respecting said Subject Invention, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, to execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, and to make all rightful oaths and generally do everything possible to aid said ASSIGNEE and its representatives to obtain and enforce proper protection for said Subject Invention in the United States of America and in any and all foreign countries.

We further agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEE, its successors, assigns, and legal representatives, and shall be binding on us, our heirs, legal representatives, and assigns.

Full name of inventor: Robert C. DeVault

Signature: Robert C. DeVault Date: September 29, 2006

Residence: 3132 West Gallaher Ferry Road, Knoxville, TN 37932-1023

Post Office Address: 3132 West Gallaher Ferry Road, Knoxville, TN 37932-1023

State of Tennessee)

County of Roane)

On this 29 day of September, 2006, before me, a Notary Public in and for the County and State aforesaid, appeared Robert C. DeVault to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.



Karen D. Drew
Notary Public

SEAL
My Commission Expires:

My Commission Expires April 6, 2010

Full name of inventor: David J. Wesolowski

Signature: David J. Wesolowski Date: 10/2/06

Residence: 208 Euclid Avenue, Kingston, TN 37763

Post Office Address: 208 Euclid Avenue, Kingston, TN 37763

State of Tennessee)

County of Roane)

On this 2 day of October, 2006, before me, a Notary Public in and for the County and State aforesaid, appeared David J. Wesolowski to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.



Karen D. Drew
Notary Public

My Commission Expires:

My Commission Expires April 6, 2010