

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
EFFECTIVE DATE:	06/30/2005

**CONVEYING PARTY DATA**

Name	Execution Date
Tommy J Phelps	06/29/2005
Costas Tsouris	06/30/2005
Anthony V Palumbo	06/29/2005

**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:	11171561

**CORRESPONDENCE DATA**

Fax Number: (865)574-0381  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: (865)574-4180  
 Email: bowmanke@ornl.gov  
 Correspondent Name: Jack M. Spicer  
 Address Line 1: One Bethel Valley Road  
 Address Line 2: 4500N, MS-6258  
 Address Line 4: Oak Ridge, TENNESSEE 37831-6258

NAME OF SUBMITTER:	Karen E. Bowman
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**CH \$40.00 11171561**

**Total Attachments: 5**

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ASSIGNMENT

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

**METHOD FOR EXCLUDING SALT AND OTHER SOLUBLE  
MATERIALS FROM PRODUCED WATER**

(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: Tommy J. Phelps

Signature: Tommy J Phelps Date: 6-29-05

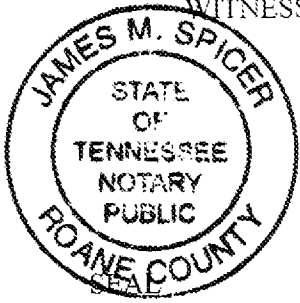
Residence: 2708 Pine Hill Drive, Knoxville, TN 37932

Post Office Address: 2708 Pine Hill Drive, Knoxville, TN 37932

State of Tennessee )  
County of Roane )

On this 29 day of June, 2005, before me, a Notary Public in and for the County and State aforesaid, appeared Tommy J. Phelps, 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.



James M. Spicer  
Notary Public

My Commission Expires: August 16, 2008

Full name of inventor: Costas Tsouris

Signature: [Handwritten Signature] Date: 6-30-05

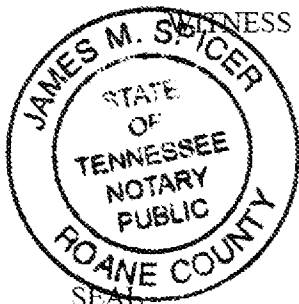
Residence: 101 Hollbrook Lane, Oak Ridge, TN 37830

Post Office Address: 101 Hollbrook Lane, Oak Ridge, TN 37830

State of Tennessee )  
County of Roane )

On this 30 day of June, 2005, before me, a Notary Public in and for the County and State aforesaid, appeared Costas Tsouris, 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.



[Handwritten Signature]  
Notary Public

My Commission Expires: August 16, 2008

Full name of inventor: Anthony V. Palumbo

Signature: Anthony V. Palumbo Date: 6/29/2005

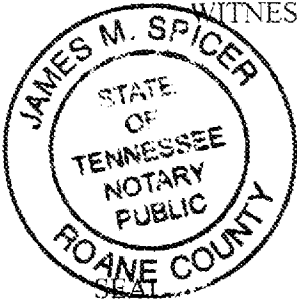
Residence: 110 Westview Lane, Oak Ridge, TN 37830

Post Office Address: 110 Westview Lane, Oak Ridge, TN 37830

State of Tennessee )  
County of Roane )

On this 29 day of June, 2005, before me, a Notary Public in and for the County and State aforesaid, appeared Anthony V. Palumbo, 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.



James M. Spicer  
Notary Public

My Commission Expires: August 16, 2008