

PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Elias Greenbaum	05/09/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UT-Battelle, LLC
<b>Street Address:</b>	One Bethel Valley Road
<b>Internal Address:</b>	4500N, MS-6258
<b>City:</b>	Oak Ridge
<b>State/Country:</b>	TENNESSEE
<b>Postal Code:</b>	37831-6258
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12963857
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(865)574-0381
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	(865) 574-4178
<b>Email:</b>	bowmanke@ornl.gov
<b>Correspondent Name:</b>	Joseph A. Marasco
<b>Address Line 1:</b>	One Bethel Valley Road
<b>Address Line 2:</b>	4500N, MS-6258
<b>Address Line 4:</b>	Oak Ridge, TENNESSEE 37831-6258
<b>ATTORNEY DOCKET NUMBER:</b>	2263
<b>NAME OF SUBMITTER:</b>	Karen E. Bowman
<b>Total Attachments: 3</b> source=2263 UTB Assignment#page1.tif source=2263 UTB Assignment#page2.tif source=2263 UTB Assignment#page3.tif	

CH \$40.00 12963857

# RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**  
Elias Greenbaum

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

**2. Name and address of receiving party(ies)**  
Name: UT-Battelle, LLC

Internal Address: 4500N, MS-6258

Street Address: One Bethel Valley Road

City: Oak Ridge

State: TN

Country: USA Zip: 37831-6258

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

**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s) 05/09/2011

Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

**4. Application or patent number(s):**  This document is being filed together with a new application.

A. Patent Application No.(s)  
12/963,857

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Joseph A. Marasco

Internal Address: UT-Battelle, LLC

Street Address: One Bethel Valley Road  
4500N, MS-6258

City: Oak Ridge

State: TN Zip: 37831-6258

Phone Number: (865) 574-4178

Fax Number: (865) 574-0381

Email Address: marascoja@ornl.gov

**6. Total number of applications and patents involved:** 1

**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 40.00

Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 13-1958

Authorized User Name Karen E. Bowman

**9. Signature:** \_\_\_\_\_ /Joseph A. Marasco/ \_\_\_\_\_ 05/09/2011  
Signature Date

Joseph A. Marasco, Reg. No. 32,798  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 3

## ASSIGNMENT

WHEREAS, I the below-named inventor whose residence and post office are as stated below, have invented certain new and useful improvements in

### APPARATUS AND METHOD FOR THE ELECTROLYSIS OF WATER

(hereinafter referred to as "Subject Invention") for which are described in United States Patent Application No. 12/963,857 filed on December 9, 2010, 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 therefore in the United States of America and in any and all foreign countries.

NOW, THEREFORE, in accordance with the terms of my employment agreement with ASSIGNEE and for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby assign to ASSIGNEE my 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.

I 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, I hereby agree to communicate to said ASSIGNEE or its representatives any facts known to me 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.

I 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 me, my heirs, legal representatives, and assigns.

Full name of inventor: Elias Greenbaum

Signature: *Elias Greenbaum*

Date: May 9, 2011

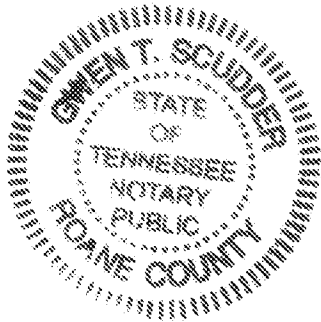
Residence: 11403 Morgan Overlook Drive, Knoxville, Tennessee 37931

Post Office Address: 11403 Morgan Overlook Drive, Knoxville, Tennessee 37931

State of Tennessee )  
County of Roane )

On this 9 day of May, 2011, before me, a Notary Public in and for the County and State aforesaid, appeared **ELIAS GREENBAUM** 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.



*Gwen T. Scudder*  
Notary Public

SEAL

My Commission Expires:

My Commission Expires Thursday, August 14, 2012.