# PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Emory D. Collins	09/04/2013
Guillermo D. DelCul	09/04/2013
Rodney D. Hunt	09/04/2013
Jared A. Johnson	09/04/2013
Barry B. Spencer	09/04/2013

#### **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:	13079897	

# **CORRESPONDENCE DATA**

Fax Number: 8655740381

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (865) 574-4178 vanceke@oml.gov Email: Joseph A. Marasco Correspondent Name: Address Line 1: One Bethel Valley Road Address Line 2: 4500N, MS-6258

ATTORNEY DOCKET NUMBER: 2278.1

**PATENT** 

REEL: 031142 FRAME: 0095

Address Line 4: Oak Ridge, TENNESSEE 37831-6258

NAME OF SUBMITTER:	Karen E. Vance
Signature:	/KE Vance/
Date:	09/05/2013
Total Attachments: 3 source=2278.1 Assignment EPAS rv#page1.tif source=2278.1 Assignment EPAS rv#page2.tif source=2278.1 Assignment EPAS rv#page3.tif	

PATENT REEL: 031142 FRAME: 0096 Form **PTO-1595** (Rev. 07/05) OMB No. 0651-0027 (exp. 6/30/2008)

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)  Emory D. Collins Barry B. Spencer Guillermo D. DelCul Rodney D. Hunt Jared A. Johnson	2. Name and address of receiving party(ies)  Name: UT-Battelle, LLC  Internal Address: 4500N, MS-6258				
Additional name(s) of conveying party(ies) attached? Yes No  3. Nature of conveyance/Execution Date(s):  Execution Date(s) 09/04/2013  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):  A. Patent Application No.(s) 13/079,897	Street Address: One Bethel Valley Road  City: Oak Ridge  State: TN  Country: USA  Additional name(s) & address(es) attached? Yes No  document is being filed together with a new application.  B. Patent No.(s)				
Additional numbers att  5. Name and address to whom correspondence concerning document should be mailed:	ached? Yes No  6. Total number of applications and patents involved: 1				
Name: Joseph A. Marasco  Internal Address: UT-Battelle, LLC	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				
Street Address: One Bethel Valley Road 4500N, MS-6258	Enclosed  None required (government interest not affecting title)				
City:         Oak Ridge           State:         TN           Zip:37831-6258	8. Payment Information  a. Credit Card Last 4 Numbers  Expiration Date				
Phone Number: <u>(865) 574-4178</u> Fax Number: <u>(865) 574-0381</u> Email Address: <u>marascoja@ornl.gov</u>	b. Deposit Account Number <u>13-1958</u> Authorized User Name <u>Karen E. Bowman</u>				
9. Signature:  /Joseph A. Marasco/ Signature  Joseph A. Marasco, Reg. No. 32,798  Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:				

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

# **ASSIGNMENT**

WHEREAS, we the below-named inventors whose residences are as stated below, have an interest in an invention entitled:

### Advanced Dry Head-End Reprocessing of Light Water Reactor Spent Nuclear Fuel

(hereinafter referred to as "Subject Invention") for which are described in United States Patent Application No. 13/079,897 filed on April 5, 2011, 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 our entire right, title and interest of the undersigned in the same;

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 and transfer to ASSIGNEE and its successors in interest 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 patent 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.

1

PATENT REEL: 031142 FRAME: 0098

Full Name of Ir	iventor: Emory D. Collins		
Signature:	E, & Colher	Date:	9/4/2013
Residence:	12020 Butternut Lane, Ki	ooxville, Tenness	iee 37934
Full Name of Ir Signature: Residence:	oventor: Guillermo D. DelCul // L. J.	Date: owell, Tennessee	<del>9/4/2013</del> 37849
Signature: _	ventor: Rodney D. Hunt Redwy 13 Hant	Date:	9/4/2013
Residence:	3006 Sugar Grove Valley	, Harriman, Tenr	essee 37748
Full Name of to	ventor: Jared A. Johnson		, ,
Signature:		Date:	9/4/2013
Residence	) ∰I Briarhill Lane, Kno	cville, Tennesse <del>e</del>	37921
	ventor: Barry B. Spencer		/ /
	<del>long of the continue</del>		7/4/13
Residence:	8133 Wiebelo Drive, Kno	xville, Tennessec	: 37931