PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Peter T. A. Reilly	09/28/2009

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:	11576384

CORRESPONDENCE DATA

Fax Number: (865)574-0381

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

Phone: (865) 574-0393

Email: scuddergt@ornl.gov

Correspondent Name: Edna I. Gergel

Address Line 1: One Bethel Valley Road
Address Line 2: 4500N, MS-6258

7 tadi 000 Lino 2.

Address Line 4: Oak Ridge, TENNESSEE 37831-6258

ATTORNEY DOCKET NUMBER: 1305.5

NAME OF SUBMITTER: Gwen T. Scudder

Total Attachments: 3

source=Assignment 1305.5 Complete#page1.tif source=Assignment 1305.5 Complete#page2.tif

PATENT 500973712 REEL: 023291 FRAME: 0151

0.00 115/6

CH \$40.00

source=Assignment 1305.5 Complete#page3.tif

PATENT REEL: 023291 FRAME: 0152 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) Peter T. A. Reilly	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) September 28, 2009 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) 11/576,384	Street Address: One Bethel Valley Road City: Oak Ridge State: TN Country: USA Additional name(s) & address(es) attached? Yes No Rocument is being filed together with a new application. B. Patent No.(s)					
Additional numbers attached? Yes No 5. Name and address to whom correspondence 6. Total number of applications and patents						
concerning document should be mailed:	involved:_1					
Name: Edna I. Gergel 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	EnclosedNone 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: (865) 574-0393 Fax Number: (865) 574-0381 Email Address: gergelei@ornl.gov	b. Deposit Account Number 13-1958 Authorized User Name Karen E. Bowman					
9. Signature: /Edna I. Gergel/ Signature Edna I. Gergel, Reg. No. 50,819 Name of Person Signing	9/28/2009 Date 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, I the below-named inventor whose residence and post office are as stated below, have invented certain new and useful improvements in

ULTRA HIGH MASS RANGE MASS SPECTROMETER SYSTEMS

(hereinafter referred to as "Subject Invention") for which an application for United States Letters Patent was executed by me 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, bereinafter 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.

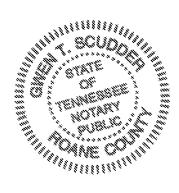
I further agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEE, its successors, assigns, and legal representatives, and shall be binding on me, my beirs, legal representatives, and assigns.

٤

Full name of inventor:	Peter T. A. Reilly	ate: <u>09/28/2009</u>
Residence:	441 Russfield Drive, Knoxville, TN	
Post Office Address:	441 Russfield Drive, Knoxville, TN	√ 37922
State of Tennessee County of Roaws On this As a	day of Sestembea, 2009, be	fore me, a Notary Public in and for the County o me personally known to be the same person

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.



<u> Suerd Dendeles</u> Notary Public

whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument

SEAL

My Commission Expires:

My Commission Expires Thursday, August 14, 2012.