505979920 03/23/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SIMONA E. HUNYADI MURPH	03/20/2020
HENRY T. SESSIONS	03/20/2020
MICHAEL A. BROWN	03/20/2020

RECEIVING PARTY DATA

Name:	SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC
Street Address:	BLDG. 773-51A, RM. 177
City:	AIKEN
State/Country:	SOUTH CAROLINA
Postal Code:	29808

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16826789

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	SRNS-157 (SRS-19-010)	
NAME OF SUBMITTER:	CHRISTINA L. MANGELSEN	
SIGNATURE:	/Christina L. Mangelsen, Reg. No. 50244/	
DATE SIGNED:	03/23/2020	

Total Attachments: 2

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PATENT 505979920 REEL: 052195 FRAME: 0939

ATTORNEY DOCKET No.: SRNS-157 (SRS-19-010)

JOINT AFFIRMATION OF INVENTION ASSIGNMENT OF WORLDWIDE RIGHTS

WHEREAS, we, SIMONA E. HUNYADI MURPH, a citizen of the United States, having a business address c/o Savannah River Nuclear Solutions, LLC, Bldg. 773-51A, Rm. 177, Aiken, SC 29808; HENRY T. SESSIONS, a citizen of the United States, having a business address c/o Savannah River Nuclear Solutions, LLC, Bldg. 773-51A, Rm. 177, Aiken, SC 29808; and MICHAEL A. BROWN, a citizen of the United States, having a business address c/o Savannah River Nuclear Solutions, LLC, Bldg. 773-51A, Rm. 177, Aiken, SC 29808, as Assignors, have made an invention entitled:

"AUTOMATIC GAS SORPTION APPARATUS AND METHOD"

as described in a patent application for U.S. Letters Patent executed by me on even date herewith, which is about to be filed in the U.S. Patent and Trademark Office; and

WHEREAS, Savannah River Nuclear Solutions, LLC, Bldg. 773-51A, Rm. 177, Aiken, SC 29808, as Assignee, is desirous of affirming its entire right, title and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application.

NOW, THEREFORE, be it known that for good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over to assignee, its lawful successors and assigns our entire right, title, and interest in and to this invention and this application, and any and all divisions, and continuations thereof, and any and all Letters Patent of the United States which may be granted thereon, and any and all reissues and reexaminations thereof, and any and all rights to claim priority on the basis of such applications, and any and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and any and all Letters Patent which may be granted on this invention in any foreign country, and any and all extensions, renewals, reexaminations, and reissues thereof, and any and all rights to sue and recover for past, present, and future infringement thereof, and we hereby authorize and request the Commissioner for Patents of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue any and all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Agreement.

AND, WE HEREBY covenant that we had the full right to convey the interest(s) assigned and we have not executed, and will not execute, any agreement in conflict with this Agreement;

AND, WE HEREBY further covenant and agree, that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne

PATENT REEL: 052195 FRAME: 0940 by the assignee, its successors and assigns.

IN WITNESS WHEREOF, the Assignors have executed this document on the date indicated below:

Simona E. Hunyadi Murya 3-20-2026 Simona E. Hunyadi Mulph Date

 Henry T. Sessions
 3/20/2020

 Date
 Date

Muhay a. Brown 3/20/2020
Michael A. Brown Date