

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JAMIE D. HOLLADAY	05/07/2018
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<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	62477928
<b>PCT Number:</b>	US1824668
<b>Application Number:</b>	15937773
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<b>SIGNATURE:</b>	/Wayne Rupert/
<b>DATE SIGNED:</b>	05/07/2018
<b>Total Attachments: 2</b>	
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source=97015-03 Assignment#page2.tif	

## ASSIGNMENT

WHEREAS, I, Jamie D. Holladay, of Richland, WA, have invented a certain invention, with John Barclay, as described in the following patent applications:

U.S. Provisional Patent Application No. 62/477,928, filed on March 28, 2017, entitled  
“ACTIVE MAGNETIC REGENERATIVE PROCESSES AND SYSTEMS  
EMPLOYING HYDROGEN HEAT TRANSFER FLUID,”

PCT Patent Application No. PCT/US2018/024668, filed on March 27, 2018, entitled  
“ACTIVE MAGNETIC REGENERATIVE PROCESSES AND SYSTEMS  
EMPLOYING HYDROGEN AS HEAT TRANSFER FLUID AND PROCESS  
GAS,”

U.S. Patent Application No. 15/937,773, filed on March 27, 2018, entitled “ACTIVE  
MAGNETIC REGENERATIVE PROCESSES AND SYSTEMS EMPLOYING  
HYDROGEN AS HEAT TRANSFER FLUID AND PROCESS GAS,”

which applications are collectively referred to as “the patent applications.”

WHEREAS, Battelle Memorial Institute, having a place of business at 902 Battelle Boulevard, Richland, WA, 99354, desires to acquire an interest therein:

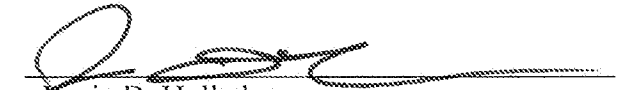
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I, Jamie D. Holladay hereby sell, assign and transfer to Battelle Memorial Institute, the full and exclusive right, title and interest in and to said invention, patent applications and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, patent applications and letters patent in this or any foreign country, and all corresponding non-provisional applications, divisions, continuations, continuations-in-part, reissues and extensions thereof, to be held and enjoyed by Battelle Memorial Institute, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted by the United States or any foreign country, as fully and entirely as the same would have been held by me had this assignment and sale not been made, and covenant that I have full right so to do, and agree that I will communicate to Battelle Memorial Institute, or its successors and

assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Battelle Memorial Institute, its successors and assigns to obtain and enforce proper patent protection for said invention in the United States or any foreign country.

I confirm that at the time the invention was made, I was under an obligation to assign the invention to Battelle Memorial Institute.

I hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite my signature below.

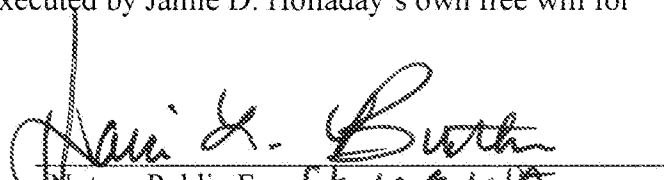
  
Jamie D. Holladay

At Richland WA  
(City and State)

on this 7 day of May, 20 18.

STATE OF Washington )  
COUNTY OF Benton ) ss.

This 7 day of May, 20 18, before me personally came the above-named Jamie D. Holladay, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Jamie D. Holladay's own free will for the purpose set forth therein.

  
Notary Public For State of WA  
My commission expires: 9/16/18

