

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6960005

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JAMES M. SHULER	09/27/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	U.S. DEPARTMENT OF ENERGY
<b>Street Address:</b>	1000 INDEPENDENCE AVE. SW
<b>Internal Address:</b>	EXECUTIVE ORDER 10096
<b>City:</b>	WASHINGTON
<b>State/Country:</b>	D.C.
<b>Postal Code:</b>	20585
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17320523
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(864)233-7342
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	(864) 271-1592
<b>Email:</b>	DOCKETING@DORITY-MANNING.COM, CJOHNSON@DORITY-MANNING.COM
<b>Correspondent Name:</b>	DORITY & MANNING, P.A.
<b>Address Line 1:</b>	P.O. BOX 1449
<b>Address Line 4:</b>	GREENVILLE, SOUTH CAROLINA 29602-1449
<b>ATTORNEY DOCKET NUMBER:</b>	SRNS-168 (SRS-20-016)
<b>NAME OF SUBMITTER:</b>	CHRISTINA L. MANGELSEN
<b>SIGNATURE:</b>	/CHRISTINA L. MANGELSEN, REG. NO. 50244/
<b>DATE SIGNED:</b>	10/08/2021
<b>Total Attachments: 2</b>	
source=SRNS-168_Assignment-Signed_(DOE)_pdf#page1.tif	
source=SRNS-168_Assignment-Signed_(DOE)_pdf#page2.tif	

DOE CASE S-113,896

**U. S. DEPARTMENT OF ENERGY  
PATENT ASSIGNMENT**

**WHEREAS**, I, James M. Shuler, as a citizen of the United States of America and while employed by the United States Department of Energy, a Federal Agency of the Government of the United States (hereinafter referred to as the Government), have invented certain new and useful improvements in TOOLING ASSEMBLY AND METHOD FOR EXPLOSIVELY FORMING FEATURES IN A THIN-WALLED CYLINDER, set forth in an application for Letters Patent of the United States, filed on May 14, 2021 as U.S. Patent Application No. 17/320,523 having DOE Case No. S-113,896; and

**WHEREAS**, the conditions under which the invention was made are such as to entitle the Government, under Executive Order 10096, to my entire right, title, and interest therein, including foreign rights; and

**WHEREAS**, the Government is desirous of acquiring the entire right, title and interest in and to said invention and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefor and thereon; and

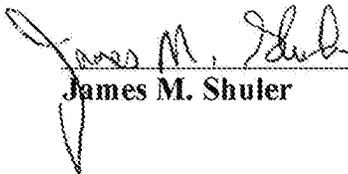
**WHEREAS**, by acquiring the entire right, title, and interest in and to the invention, the Government will be enabled to license the invention and share any royalty income from the license with me as allowed by law;

**NOW, THEREFORE**, to all whom it may concern, be it known that for and in consideration paid to me by the Government, the receipt of which is hereby acknowledged, I hereby sell, assign, and transfer unto the Government, as represented by the United States Department of Energy, the entire right, title, and interest in and to the said invention and in and to any and all Letters Patents wherever they may be granted thereon as well as any provisional applications and/or utility applications, reissues, continuations, continuations- in-part, divisionals, design patents and/or extensions of said provisional applications and/or Letters Patent, the same to be held and enjoyed by the Government or its assigns to the full end of the term or terms for

which Letters Patents are or may be granted, reissued, or extended, as fully and entirely as the same would have been held or enjoyed by me had this assignment not been made.

I agree to make, execute, and deliver unto the Government, as represented by the United States Department of Energy, any and all papers, documents, affidavits, statements, or other instruments in such usual or other forms, with terms and contents as may be required by the United States Department of Energy, or its duly authorized representative, in or incident to the prosecution or conduct of any and all applications, before as well as after, the issuance of any Letters Patent thereon, or in the adjustment or settlement of any interferences or other actions or proceedings that said applications may encounter or in which they may become involved, and I agree that I will aid the Government in every way in protecting the invention as may be requested by the United States Department of Energy, except that any expenses arising through extending such assistance will be paid for by the Government.

**INVENTOR:**

  
James M. Shuler

9/27/21  
Date