

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT3165060

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GARY R. POLING	12/09/2014
DOUG M. LAWRENCE	12/09/2014
BRADLEY H. GRAHAM	12/09/2014
DAVID J. PECKHAM	12/09/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AREVA INC.
<b>Street Address:</b>	3315 OLD FOREST ROAD
<b>City:</b>	LYNCHBURG
<b>State/Country:</b>	VIRGINIA
<b>Postal Code:</b>	24501
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14554517
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)229-6491
<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>	703-829-7099
<b>Email:</b>	sean@seanpohanlon.com
<b>Correspondent Name:</b>	SEAN P. O'HANLON
<b>Address Line 1:</b>	732 FORDS LANDING WAY
<b>Address Line 2:</b>	SEAN P. O'HANLON, ESQ., PLLC
<b>Address Line 4:</b>	ALEXANDRIA, VIRGINIA 22314
<b>ATTORNEY DOCKET NUMBER:</b>	103-0060
<b>NAME OF SUBMITTER:</b>	SEAN P. O'HANLON
<b>SIGNATURE:</b>	/Sean P. O'Hanlon/
<b>DATE SIGNED:</b>	12/30/2014
<b>Total Attachments: 5</b>	
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**ASSIGNMENT OF APPLICATION FOR PATENT**

WHEREAS:

Gary R. Poling of 182 Locksley Place, Forest, VA 24511 USA, Doug M. Lawrence of 2033 Winfall Road, Rustburg, VA 24588 USA, Bradley H. Graham of 2105 Woodcrest Drive, Lynchburg, VA 24503 USA, and David J. Peckham of 455 Leftwich Road, Madison Heights, VA 24572 USA (hereinafter referred to as ASSIGNOR), have made a discovery or invention entitled:

**CONTROL ROD DRIVE MECHANISM INNER DIAMETER ANNULUS ULTRA HIGH PRESSURE CAVITATION PEENING**

- for which application for Letters Patent of the United States has been executed on even date herewith,
- for which application for Letters Patent of the United States has been filed on November 26, 2014, under Application No. 14/554,517,

WHEREAS:

AREVA Inc., a corporation of Delaware having a business address 3315 Old Forest Road, Lynchburg, VA 24501 USA (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE, its successors, legal representatives and assigns, the full and exclusive right, title and interest to said discovery or invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

I, SAID ASSIGNOR, hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and any Official of any country or countries foreign to the United States of America whose duty it is to issue Letters Patent on applications as aforesaid, to issue all such Letters Patent for said discovery or invention to the ASSIGNEE, as assignee of the entire right, title and interest in, to and under the same, for the sole use and behoof of the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

I, SAID ASSIGNOR, hereby covenant that I have full right to convey the entire right, title and interest herein sold, assigned, transferred and set over;

I, SAID ASSIGNOR, hereby grant attorneys for ASSIGNEE the power to insert into this Assignment any further identification (such as the application number and filing date) which may be necessary or desirable to comply with the rules of the United States Patent and Trademark office for recordation of this Assignment;

AND I, SAID ASSIGNOR hereby further covenant and agree that the ASSIGNEE, its successors, legal representatives, or assigns, may apply for foreign Letters Patent on said discovery or invention and claim the benefits of the International Convention, and that I will, at any time, when called upon to do so by the ASSIGNEE,

its successors, legal representatives, or assigns, communicate to the ASSIGNEE, its successors, legal representatives, or assigns, as the case may be, any facts known to me respecting said discovery or invention, and execute and deliver any and all lawful papers that may be necessary or desirable to perfect the title to the said discovery or invention, the said applications and the said Letters Patent in the ASSIGNEE, its successors, legal representatives and assigns, and that if reissues of the said Letters Patent or disclaimers relating thereto, or divisions, continuations, or refilings of the said applications, or any thereof, shall hereafter be desired by the ASSIGNEE, its successors, legal representatives, or assigns, I will, at any time, when called upon to do so by the ASSIGNEE its successors, legal representatives, or assigns, sign all lawful papers, make all rightful oaths, execute and deliver all such disclaimers and all divisional, continuation and reissue applications so desired, and do all lawful acts requisite for the application for such reissues and the procuring thereof and for the filing of such disclaimers and such applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention or discovery in all countries, all without further compensation but at the expense of the ASSIGNEE, its successors, legal representatives and assigns.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

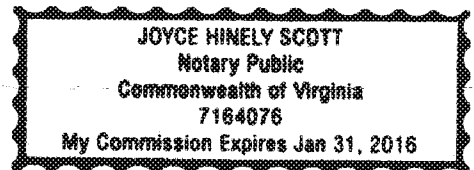
Date 12/9/14, Gary R Poling L.S.  
Gary R. Poling

State/Commonwealth of VIRGINIA )  
County/City of LYNCHBURG ) SS.:

On DECEMBER 9, 2014, before me, JOYCE HINELY SCOTT, Notary Public, personally appeared Gary R. Poling, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State/Commonwealth of VIRGINIA that the foregoing paragraph is true and correct.

WITNESS my hand and official seal

Joyce Hinely Scott



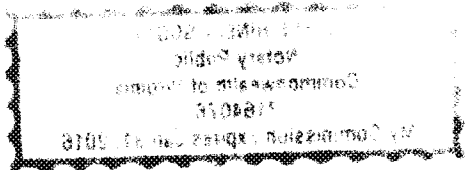
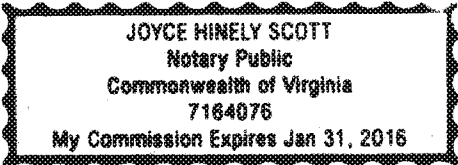
Date 12-9-14 *D M* L.S.  
Doug M. Lawrence

State/Commonwealth of VIRGINIA )  
County/City of LYNCHBURG ) SS.:

On DECEMBER 9, 2014, before me, JOYCE HINELY SCOTT, Notary Public, personally appeared Doug M. Lawrence, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State/Commonwealth of VIRGINIA that the foregoing paragraph is true and correct.

WITNESS my hand and official seal

*Joyce Hinely Scott*



Date 12-09-2014, *Bradley H. Graham* L.S.  
Bradley H. Graham

State/Commonwealth of VIRGINIA )  
County/City of LYNCHBURG ) SS.:

On DECEMBER 9, 2014, before me, JOYCE HINELY SCOTT, Notary Public, personally appeared Bradley H. Graham, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State/Commonwealth of VIRGINIA that the foregoing paragraph is true and correct.

WITNESS my hand and official seal

*JOYCE HINELY SCOTT*  
Notary Public  
Commonwealth of Virginia  
7164078  
My Commission Expires Jan 31, 2016

JOYCE HINELY SCOTT  
Notary Public  
Commonwealth of Virginia  
7164078  
My Commission Expires Jan 31, 2016

Date 12-9-2014, *David J. Peckham* L.S.  
David J. Peckham

State/Commonwealth of VIRGINIA )  
County/City of LYNCHBURG ) SS:

On DECEMBER 9, 2014, before me, JOYCE HINELY SCOTT, Notary Public, personally appeared David J. Peckham, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State/Commonwealth of VIRGINIA that the foregoing paragraph is true and correct.

WITNESS my hand and official seal

*Joyce Hinely Scott*

