

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ROBERT J. BURKE	03/11/2019
ALEXANDER THOMAS BURKE	03/12/2019
RECEIVING PARTY DATA	
Name:	ARCATA SYSTEMS
Street Address:	114 LIMESTONE LANE
City:	SANTA CRUZ
State/Country:	CALIFORNIA
Postal Code:	95060
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15081768
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ATTORNEY DOCKET NUMBER:	110512-8001.US03
NAME OF SUBMITTER:	CRYSTAL FONG
SIGNATURE:	/Crystal Fong/
DATE SIGNED:	03/12/2019
Total Attachments: 4	
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**DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN PATENT APPLICATION
USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT**

Title of Invention: SINGLE-PASS, HEAVY ION SYSTEMS FOR LARGE-SCALE NEUTRON
SOURCE APPLICATIONS

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is checked):

United States application or PCT international application number 15/081,768 filed
on March 25, 2016.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known
to me to be material to patentability as defined in 37 C.F.R. Section 1.56.

Whereas, the undersigned inventor(s) has/have made certain inventions, improvements, and discoveries
(herein referred to as the "Invention") disclosed in the above-identified patent application and further
identified by the Attorney Docket Number provided above in the header of this document;

Whereas, **Arcata Systems**, a sole proprietorship, having its principal place of business at 114 Limestone
Lane, Santa Cruz, CA, 95060, desires to acquire and each undersigned inventor desires to grant to **Arcata
Systems**, the entire worldwide right, title, and interest in and to the Invention and in and to any and
all patent applications and patents directed thereto;

Now, therefore, for one dollar (\$1.00) and good and valuable consideration, the receipt and
sufficiency thereof being hereby acknowledged, each undersigned inventor, hereinafter referred to as
ASSIGNOR, hereby sells or has sold, assigns or has assigned, and otherwise transfers or has
transferred to **Arcata Systems**, hereinafter referred to as **ASSIGNEE**, its successors, legal
representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the
above-identified United States patent application, and any and all other patent applications and patents
for the Invention which may be applied for or granted therefor in the United States and in all foreign
countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals,
extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the
filing of such applications and granting of such patents. In addition, each undersigned inventor hereby
authorizes and requests the Director of the United States Patent and Trademark Office to issue any
United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention,
to the Assignee, its successors, legal representatives, and assigns, the entire worldwide right, title, and
interest in and to the same to be held and enjoyed by the Assignee, its successors, legal representatives,
and assigns to the full end of the terms for which any and all such patents may be granted, as fully and
entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;
and each undersigned inventor agrees to execute, without charge to said Assignee but at the Assignee's
expense, any and all documents and instruments and perform all lawful acts reasonably related to
recording this Assignment or perfecting title to the Invention and all related patents and applications,
in Assignee, its successors, legal representatives, and assigns, whenever requested by the Assignee, its
successors, legal representatives, or assigns.

ASSIGNOR(S) grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

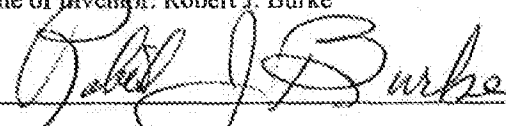
Each undersigned inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to the Assignee and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned inventor also hereby grants the assignee, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

1) Legal Name of Inventor: Robert J. Burke

Signature: _____



Date: _____

2019 March 11

2) Legal Name of Inventor: Alexander Thomas Burke

Signature: _____

Date: _____

**DECLARATION (37 C.F.R. 1.63) FOR UTILITY OR DESIGN PATENT APPLICATION
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above-identified United States patent application, and any and all other patent applications and patents
for the Invention which may be applied for or granted therefor in the United States and in all foreign
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and assigns to the full end of the terms for which any and all such patents may be granted, as fully and
entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;
and each undersigned inventor agrees to execute, without charge to said Assignee but at the Assignee's
expense, any and all documents and instruments and perform all lawful acts reasonably related to
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1) Legal Name of Inventor: Robert J. Burke

Signature: _____ Date: _____

2) Legal Name of Inventor: Alexander Thomas Burke

Signature:  _____ Date: 3/12/19