

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	SAMUDRA HAQUE	11/21/2014
RECEIVING PARTY DATA		
Name:	THE GEORGE WASHINGTON UNIVERSITY	
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PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14462127
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DATE SIGNED:	12/17/2014	
Total Attachments: 3		
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ASSIGNMENT

THIS ASSIGNMENT, made on the date set forth below by Samudra HAQUE, residing at 1425 4th St. NW, Apt. A115, Washington, DC 20024 (hereinafter referred to as "Assignor");

WHEREAS, Assignor have invented certain new and useful improvements in METHOD AND SYSTEM FOR A PROGRAMMABLE AND FAULT TOLERANT PULSED PLASMA THRUSTER set forth in application, filed on August 18, 2014 as U.S. Patent Application No. 14/462,127; and provisional application " SYSTEM AND METHOD FOR PRECISION SYNCHRONIZED CONTROL OF AN N-CHANNEL MICRO-CATHODE ARC THRUSTER SUBSYSTEM", filed February 18, 2014, serial no. 61/941,244.

WHEREAS, The George Washington University, a Congressionally Chartered Not-For-Profit Corporation, having its principal place of business at Rice Hall, Suite 601, 2121 I Street, NW, Washington, DC 20052 (hereinafter referred to as "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions and said Applications for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions in all forms or embodiments thereof and applications for Letters Patent, and in and to any and all direct and indirect divisions, renewals, substitutes, non-provisionals, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations, prolongations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely

as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owner of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise without charge to Assignee: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, renewal; substitute, non-provisional, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination, prolongation or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors acknowledge an obligation of assignment of this invention
to Assignee at the time the invention was made.

Date: 11/21/2014

Signature: [Signature]
Name: Samudra HAQUE

United States of America)
State of _____) ss.:
County of District of Columbia)

On this 21st day of November, 2014, before me personally came
Samudra HAQUE to me known to be the individual described in and who
executed the foregoing instrument, and acknowledged execution of the same.

[Signature]
Notary Public

District of Columbia: SS
Subscribed and Sworn to before me
this 21st day of November, 2014
[Signature]
Notary Public, D.C.
My commission expires 11-14-19

