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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	
CONVEYING PARTY D	ΑΤΑ		
		Name	Execution Date
ALEJANDRO CARABE-FERNANDEZ			06/18/2018
PETER KIMSTRAND			06/22/2018
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		Number	
Property Type			

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ATTORNEY DOCKET NUMBER:	103241.006637 / 18-8423				
NAME OF SUBMITTER:	VALERIE CHICCHI				
SIGNATURE:	/Valerie Chicchi/				
DATE SIGNED:	08/14/2020				
Total Attachments: 4					
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ASSIGNMENT

WHEREAS, we, Alejandro Carabe-Fernandez and Peter Kimstrand, residing at Philadelphia, PA and Stockholm, Sweden, respectively, ASSIGNORS, are inventors of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number UOP-550USP ("the invention"), assigned application number <u>62/632,579</u>, filed <u>February 20, 2018</u>, which is entitled PROTON BEAM SYSTEM AND METHODS FOR IRRADIATING A TARGET ("the subject application").

AND WHEREAS, The Trustees of the University of Pennsylvania, ASSIGNEE, having a place of business at **3160 Chestnut Street**, Suite 200, Philadelphia, PA **19104**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part: all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part: the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other International agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable,

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

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IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this ______day of ____June___, year of 2018.

Alejandro Carabe-Fernandez

WITNESS

Philadelphia, Pennsylvar	ila
Signed At (City/State)	167
Vanesa Peredo Ortega	Varanter
Name	and the second sec

Signature

_6/18/18_____ Date

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DOCKET NO .:

UOP-550USP

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this $\underline{22}$ day of $\underline{3442}$, year of 2018.

Peter Kimstrand

WITNESS

Uppsala, Switclen Signed At (City/State) Nar nnature Date

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UOP-550USP

This assignment is accepted on behalf of The Trustees of the University of Pennsylvania by:

August 6,2018

IZA

Jénnifer Langenberger Director, Intellectual Property

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RECORDED: 08/14/2020