

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	XIAN-JUN ZHENG	07/09/2021
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	LAODICEA SCIENTIFIC RESEARCH ASSOCIATION	
<b>Street Address:</b>	976 RAINTREE LANE	
<b>City:</b>	MISSISSAUGA, ONTARIO	
<b>State/Country:</b>	CANADA	
<b>Postal Code:</b>	L5H 3Y6	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Patent Number:</b>	10643753	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(416)361-1398	
<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>	416-364-7311	
<b>Email:</b>	kyu@bereskinparr.com	
<b>Correspondent Name:</b>	BERESKIN & PARR LLP/S.E.N.C.R.L., S.R.L.	
<b>Address Line 1:</b>	40 KING STREET WEST	
<b>Address Line 2:</b>	40TH FLOOR	
<b>Address Line 4:</b>	TORONTO, ONTARIO, CANADA M5H 3Y2	
<b>ATTORNEY DOCKET NUMBER:</b>	21906-P39161US02	
<b>NAME OF SUBMITTER:</b>	CHRISTOPHER J. BURY	
<b>SIGNATURE:</b>	/Christopher J. Bury/	
<b>DATE SIGNED:</b>	07/15/2021	
<b>Total Attachments: 3</b>		
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**ASSIGNMENT / DECLARATION**

WHEREAS **XIAN-JUN ZHENG**, whose full post office address is **25-1180 Kelsey Court, Oakville, Ontario, L6H 5E1, Canada** (hereinafter "the Assignor"), is the sole inventor of an invention disclosed in **United States Patent No. 10,643,753**, issued on **May 5, 2020**, entitled "**HOLLOW PARTICLE BEAM EMITTER**" (hereinafter "the Patent");

AND WHEREAS **LAODICEA SCIENTIFIC RESEARCH ASSOCIATION**, whose full post office address is **976 Raintree Lane, Mississauga, Ontario, L5H 3Y6, Canada** (hereinafter "the Assignee"), has acquired from the Assignor, the Assignor's entire right, title and interest in and to the invention, including the Assignor's rights to the Patent and all related U.S. applications and patents thereon, including any and all applications based on the Patent, and other counterpart applications, and any and all substitutes, divisionals, continuations and continuations-in-part, and any Letters Patent(s) that may be obtained therefor, and in any and all reissues, extensions, renewals and reexaminations of such applications and patents, including the right to claim priority to the Patent, and to all related applications and patents thereon filed by the Assignor or Assignee, including the benefit of any right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and the benefit of any right of priority provided by any convention or treaty under domestic or foreign law, and to invoke and claim any such right of priority without further written or oral authorization from the Assignor;

NOW THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of all of which is hereby acknowledged, the Assignor hereby confirms that, as of the application filing date of the Patent, the Assignor had assigned, and to any extent not done, effective as of the application filing date of the Patent, does hereby sell and assign, transfer and set over

to the Assignee, all of the Assignor's right, title and interest for the United States of America, its territories, dependencies and possessions, in and to the invention, including their rights to the Patent, and all related applications and patents thereon, including the right to claim priority to the Patent and to all related applications and patents thereon, to be held and enjoyed by the Assignee, its assigns and successors, as fully and entirely as the same would have been held and enjoyed by the Assignor, had this Assignment not been made.

The Assignor hereby confirms that the Patent was made or was authorized to be made by himself and that the Assignor believes himself to be the original inventor of a claimed invention in the Patent.

The Assignor shall without further consideration do all such things and execute all such documents as may be necessary or desirable to obtain and maintain the Patent for the invention, and all related applications and patents thereon, and to vest title thereto in the Assignee, its successors, assigns and legal representatives or nominees.

The Assignor and the Assignee authorize and empower Bereskin & Parr LLP/S.E.N.C.R.L., s.r.l., whose complete address is Scotia Plaza, 40 King Street West, 40th Floor, Toronto, Ontario, M5H 3Y2, Canada, to insert on this Assignment any further identification, to prepare any translation which may be necessary or desirable in order to comply with the rules for recordation of this document in any country and to correct any clerical error in this Assignment.

The Commissioner of Patents & Trademarks is hereby authorized and requested to issue any further Letters Patent(s) for the Patent, and all related applications thereon, to the Assignee, for its sole use and benefit, and for the use and benefit of its successors and assigns, to the full end of the term for which Letters Patent(s) may be granted, as fully and entirely as the same would have been held by the Assignor had this Assignment and sale not been made.

If a provision of this Assignment is or becomes illegal, invalid or unenforceable in any jurisdiction, that shall not affect the validity or enforceability in that jurisdiction of any

other provision of this Assignment, or the validity or enforceability in other jurisdictions of that or any other provision of this Assignment.

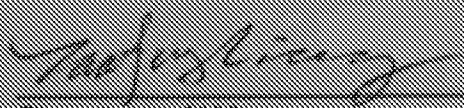
The Assignor hereby acknowledges that any willful false statement made in this assignment/declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

For the purpose of all legal proceedings, this Assignment will be deemed to have been performed in the Province of Ontario and will be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.

This Assignment may be executed in any number of counterparts and all of such counterparts shall together constitute one and the same instrument.


The Parties confirm their express wish that this Assignment be drawn up in the English language. *Les parties confirment leur volonté expresse que cette cession soit rédigée en langue anglaise.*

SIGNED AT Mississauga, Canada this 9<sup>th</sup> day of July, 2021



Signature of Witness

Name: TAO FENG LIANG



By: XIAN-JUN ZHENG

SIGNED AT Mississauga, Canada this 10<sup>th</sup> day of July, 2021



Signature of Witness

Name: XIAN-JUN ZHENG

By: Laodicea Scientific Research Association

Name: YAN ZHANG / TAO FENG LIANG

Title: DIRECTORS