

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
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EPAS ID: PAT4698607

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PAUL J.L. WEBSTER	06/14/2016
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15684145
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<b>ATTORNEY DOCKET NUMBER:</b>	2013-002-06US
<b>NAME OF SUBMITTER:</b>	NANCY MCINTYRE
<b>SIGNATURE:</b>	/Nancy McIntyre/
<b>DATE SIGNED:</b>	11/21/2017
<b>Total Attachments: 2</b>	
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## CONFIRMATORY PATENT ASSIGNMENT

This Confirmatory Patent Assignment is made from **Paul J.L. Webster** of 135 Ontario Street, Unit 503, Kingston, Ontario, K7L 0A5, Canada hereinafter referred to as "ASSIGNOR", to **Queen's University at Kingston**, whose complete address is Kingston, Ontario, K7L 3N6, Canada; hereinafter referred to as "ASSIGNEE", who has previously assigned all right, title and interest, including priority rights, in and to U.S. Patent Application No. 61/778,592 filed on 13 March 2013, entitled **Methods and Systems for Characterizing Laser Machining Properties by Measuring Keyhole Dynamics Using Interferometry** to Queen's University at Kingston; and ASSIGNOR is an inventor of the Invention described and set forth in

**International Patent Application No. PCT/CA2014/000273 filed on 13 March 2014 entitled Methods and Systems for Characterizing Laser Machining Properties by Measuring Keyhole Dynamics Using Interferometry; and**

WHEREAS, ASSIGNEE is desirous of acquiring an interest in the Invention and patent applications and in any Letters Patent and Registration which may be granted thereon, and in any patent application and Letters Patent and Registration claiming priority from the same;

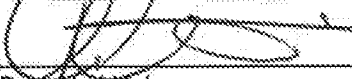
For the sum of One Dollar (\$1.00) and other good and valuable consideration, receipt and sufficiency of which is hereby acknowledged by ASSIGNOR, ASSIGNOR has assigned and does hereby assign to ASSIGNEE all right, title, and interest, including priority rights, in and to the Invention and all subject matter disclosed in the applications and to all foreign counterparts thereof, and in and to any Letters Patent and Registration which may hereafter be granted thereon, and in and to any patent application claiming priority from the same, in Canada, the United States, and all countries throughout the world. The right, title, and interest is to be held and enjoyed by ASSIGNEE and ASSIGNEE's successors and assigns as fully and exclusively as it would have been held and enjoyed by ASSIGNOR had this Assignment not been made, for the full term of any Letters Patent and Registration which may be granted thereon, or of any division, renewal, continuation, substitution, conversion, reissue, prolongation, or extension thereof.

ASSIGNOR further agrees that he will, without charge to ASSIGNEE, but at ASSIGNEE's expense, (a) cooperate with ASSIGNEE in the prosecution of patent applications and foreign counterparts on the Invention, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as ASSIGNEE lawfully may request to obtain or maintain Letters Patent and Registration for the Invention in any and all countries, and to vest title thereto in ASSIGNEE, or ASSIGNEE's successors and assigns.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States of America, and the empowered officials of all other governments, to issue any and all Letters Patent and Registration for said Invention or resulting from said application, or from any division, renewal, continuation, substitution, conversion, reissue, prolongation, or extension thereof, to ASSIGNEE, as ASSIGNOR'S sole assignee.

In testimony whereof I have hereunto set my hand:

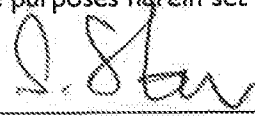
this 14 day of JUNE 2016

  
Paul J.L. Webster

**CERTIFICATE**

City of Kingston )  
Province of Ontario )

On this 14 day of June 2016 appeared before me in person the above **Paul J.L. Webster** and acknowledged the above to be his signature, and that he signed and delivered the above instrument as his voluntary act and deed for the purposes herein set forth.

  
Stephen J. Scribner  
Notary Public  
Province of Ontario

Stephen Joseph Scribner, Notary Public, County of Frontenac, limited to the attestation of instruments and the taking of affidavits, for PARTEQ Research and Development Innovations. Expires January 9, 2019.