

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3286561

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	YAN-FEI LIU	03/06/2013
RECEIVING PARTY DATA		
Name:	QUEEN'S UNIVERSITY AT KINGSTON	
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State/Country:	CANADA	
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PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14352079
CORRESPONDENCE DATA		
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<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>		
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ATTORNEY DOCKET NUMBER:	2012-012-03US	
NAME OF SUBMITTER:	NANCY MCINTYRE	
SIGNATURE:	/Nancy McIntyre/	
DATE SIGNED:	03/27/2015	
Total Attachments: 2		
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ASSIGNMENT

WHEREAS, **Yan-Fei Liu** of 1064 Earnhart Street, Kingston, Ontario, K7P 3N6, Canada, hereinafter referred to as "ASSIGNOR", is the inventor of the Invention described and set forth in United States Patent Application Serial No. 61/547,926, filed on 17 October 2011 entitled **Power Architecture and Control Method for LED Driver** and International Patent Application No. PCT/CA2012/000971, filed on 17 October 2012 entitled **Ripple Cancellation Converter with High Power Factor**; and

WHEREAS, Queen's University at Kingston, whose complete address is Kingston, Ontario, K7L 3N6, Canada, hereinafter referred to as "ASSIGNEE", is desirous of acquiring an interest in the Invention and patent application 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 does hereby assign to ASSIGNEE all right, title, and interest, including priority rights, in and to the Invention and all subject matter in the disclosed application 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 6th day of March 2013

Yan-Fei Liu
Yan-Fei Liu

CERTIFICATE

City of Kingston)
Province of Ontario)

On this 6th day of March 2013 appeared before me in person the above **Yan-Fei Liu** 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.

Angela Lyon
Angela Lyon
Notary Public
Province of Ontario

Angela Patricia Lyon, Notary Public, Province of Ontario,
limited to the attestation of instruments and the taking of affidavits;
for PARTEQ Innovations and its subsidiaries, associates and affiliates;
Expires April 21, 2014