

## 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>
MICHAEL JASON HOUSTON	11/12/2014
STEVEN PATRICK LAUR	11/12/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	INTERSIL AMERICAS LLC
<b>Street Address:</b>	1001 MURPHY RANCH ROAD
<b>City:</b>	MILPITAS
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95035
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15585028
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)672-5399
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<b>Address Line 1:</b>	3000 K STREET, N.W.
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<b>Address Line 4:</b>	WASHINGTON, D.C. 20007
<b>ATTORNEY DOCKET NUMBER:</b>	113585-1757 (SE-3028-IPA)
<b>NAME OF SUBMITTER:</b>	VICTORIA MACMILLAN
<b>SIGNATURE:</b>	/Victoria MacMillan/
<b>DATE SIGNED:</b>	05/02/2017
<b>Total Attachments: 2</b>	
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source=113585-1757-Assignment#page2.tif	



ASSIGNMENT

I, Michael Jason Houston of 208 Parkcanyon Lane, Cary, North Carolina 27519 for good and valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to Intersil Americas LLC, a Delaware corporation having a place of business at 1001 Murphy Ranch Road, Milpitas, California, 95035, its successors, assigns and legal representatives (hereafter referred to as the "Assignee"), the entire right, title and interest in and to all subject matter invented by me and disclosed in the applications for Letters Patent of the United States entitled:

SYSTEM AND METHOD FOR CONSTANT OUTPUT VOLTAGE RIPPLE IN CCM AND DCM  
OPERATION

Attorney Docket No. 038981-025099, Application No. 61/987,500 and having a filing date of May 2, 2014, and in and to all Letters Patent and all convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter; and

SYSTEM AND METHOD FOR MAINTAINING A CONSTANT OUTPUT VOLTAGE RIPPLE IN A  
BUCK CONVERTER IN DISCONTINUOUS CONDUCTION MODE

Attorney Docket No. 038981-025000, Application No. 14/312,678 and having a filing date of June 23, 2014, and in and to all Letters Patent and all convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter.

And to secure all said Letters Patent and rights, I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed, reissue, or foreign applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said Assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Assignee.

11/11/14  
Date

Michael Jason Houston  
Michael Jason Houston

On 11/12/2014, before me, Jason Houston, personally appeared Michael Jason Houston who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature

STATE OF  
COUNTY OF

Paulette P. Gaillard  
North Carolina  
Durham

PATENT

REEL: 042220 FRAME: 0366



# ASSIGNMENT

I, Steven Patrick Laur of 9217 Carlswood Court, Raleigh, NC 27613, for good and valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to Intersil Americas LLC, a Delaware corporation having a place of business at 1001 Murphy Ranch Road, Milpitas, California, 95035, its successors, assigns and legal representatives (hereafter referred to as the "Assignee"), the entire right, title and interest in and to all subject matter invented by me and disclosed in the applications for Letters Patent of the United States entitled:

## SYSTEM AND METHOD FOR CONSTANT OUTPUT VOLTAGE RIPPLE IN CCM AND DCM OPERATION

Attorney Docket No. 038981-025099, Application No. 61/987,500 and having a filing date of May 2, 2014, and in and to all Letters Patent and all convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter; and

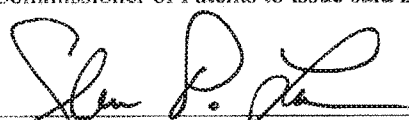
## SYSTEM AND METHOD FOR MAINTAINING A CONSTANT OUTPUT VOLTAGE RIPPLE IN A BUCK CONVERTER IN DISCONTINUOUS CONDUCTION MODE

Attorney Docket No. 038981-025000, Application No. 14/312,678 and having a filing date of June 23, 2014, and in and to all Letters Patent and all convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter.

And to secure all said Letters Patent and rights, I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed, reissue, or foreign applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said Assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Assignee.

11/12/14  
Date

  
Steven Patrick Laur

On 11/12/14, before me, Paulette Gaillard, personally appeared Steven Patrick Laur who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Paulette P. Gaillard  
STATE OF North Carolina  
COUNTY OF Durham

PATENT

RECORDED: 05/02/2017

REEL: 042220 FRAME: 0367