

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3888799

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
QU GARY JIN	03/31/2015
PAUL H.L.M. SCHRAM	04/02/2015
KRSTE MITRIC	03/30/2015
CATHY ZHANG	03/31/2015
GABRIEL RUSANEANU	04/01/2015
WENBAO WANG	04/02/2015
RECEIVING PARTY DATA	
Name:	MICROSEMI SEMICONDUCTOR ULC
Street Address:	400 MARCH ROAD
City:	KANATA, ONTARIO
State/Country:	CANADA
Postal Code:	K2K 3H4
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15064663
CORRESPONDENCE DATA	
Fax Number:	(408)643-6913
<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>	
Phone:	613-270-7441
Email:	gail.casselmann@microsemi.com
Correspondent Name:	MICROSEMI CORPORATION
Address Line 1:	3870 NORTH FIRST STREET
Address Line 2:	ATTN: JANET DRAKES - RECORDS MANAGER
Address Line 4:	SAN JOSE, CALIFORNIA 95134
ATTORNEY DOCKET NUMBER:	S-3111-US
NAME OF SUBMITTER:	GAIL CASSELMAN
SIGNATURE:	/Gail Casselman/
DATE SIGNED:	05/25/2016

Total Attachments: 12

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ASSIGNMENT

WHEREAS, We, Qu Gary JIN, Paul H.L.M. SCHRAM, Krste MITRIC, Cathy ZHANG, Gabriel RUSANEANU and Wenbao WANG have invented one or more improvements in

Hardware Delay Compensation in Digital Phase Locked Loop

described in an application (or provisional application) for Letters Patent of the United States:

☒ identified by Attorney Docket No. S-3111, and/or executed by me of even date herewith and about to be filed in the United States Patent Office;

☒ Serial No. 62/140,475 filed in the United States Patent Office on 31 March 2005 and

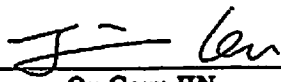
WHEREAS, Microsemi Semiconductor ULC (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of Canada, and having a usual place of business at 400 March Road, Kanata, Ontario, K2K 3H4, Canada desires to acquire an interest therein, in accordance with agreements duly entered into with me;

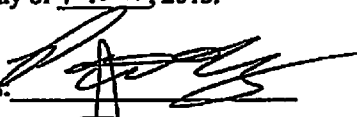

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements, the sum of Ten Dollars (\$10.00) and of other good and valuable consideration, the receipt of which is hereby acknowledged, and without expectation of any further compensation whatsoever, we have each sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the inventions described in said application, together with our entire right, title and interest in and to said application and such Letters Patents, as may issue thereon or claim priority under international convention, including but not limited to continuations, divisionals, reissues, and reexaminations of said application of such Letters Patent; said inventions, applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patents may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made; we hereby convey all of my rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE for its own name as assignee of our entire right, title and interest therein.

AND, we hereby further agree for each of ourselves and our executors and administrators to execute upon request and without further consideration, any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including: the execution of applications for patents in foreign countries; the execution of substitution, reissue, divisional or continuation applications; and preliminary or other statements or the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved; and we further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment if none is indicated on that date of our execution of this assignment;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, I have hereunto set my hand on this 31 day of Mar., 2015.

Inventor: 
Qu Gary JIN

Witness: 
Witness: 

IN TESTIMONY WHEREOF, I have hereunto set my hand on this ___ day of ___, 2015.

Inventor: _____
Paul H.L.M. SCHRAM

Witness: _____
Witness: _____

IN TESTIMONY WHEREOF, I have hereunto set my hand on this ___ day of ___, 2015.

Inventor: _____
Krstic MITRIC

Witness: _____
Witness: _____

IN TESTIMONY WHEREOF, I have hereunto set my hand on this ___ day of ___, 2015.

Inventor: _____
Cathy ZHANG

Witness: _____
Witness: _____

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Inventor: _____
Gabriel RUSANEANU

Witness: _____
Witness: _____

IN TESTIMONY WHEREOF, I have hereunto set my hand on this ___ day of ___, 2015.

Inventor: _____
Wenbao WANG

Witness: _____
Witness: _____

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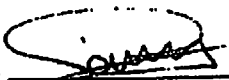
IN TESTIMONY WHEREOF, I have hereunto set my hand on this ____ day of _____, 2015.

Inventor: _____
Qu Gary JIN

Witness: _____

Witness: _____

IN TESTIMONY WHEREOF, I have hereunto set my hand on this ^{thurs} ____ day of nd April, 2015.

Inventor: 
Paul H.L.M. SCHRAM

Witness: YHA de Ryk

Witness: R. Pires de la

IN TESTIMONY WHEREOF, I have hereunto set my hand on this ____ day of _____, 2015.

Inventor: _____
Krstic MITRIC

Witness: _____

Witness: _____

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Cathy ZHANG

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Inventor: _____
Gabriel RUSANEANU

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Wenbao WANG

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Inventor: _____
Qu Gary JIN

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Paul H.L.M. SCHRAM

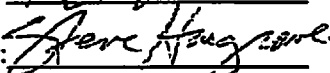
Witness: _____

Witness: _____

IN TESTIMONY WHEREOF, I have hereunto set my hand on this 30 day of MARCH, 2015.

Inventor: 
Krste MITRIC

Witness: 

Witness: 

IN TESTIMONY WHEREOF, I have hereunto set my hand on this __ day of ____, 2015.

Inventor: _____
Cathy ZHANG

Witness: _____

Witness: _____

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Wenbao WANG

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Witness: _____

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Inventor: _____
Cathy ZHANG

Witness: _____

Witness: _____

IN TESTIMONY WHEREOF, I have hereunto set my hand on this __ day of __, 2015.

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Gabriel RUSANEANU

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Wenbao WANG

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Inventor: _____
Cathy ZHANG

Witness: _____

Witness: _____

IN TESTIMONY WHEREOF, I have hereunto set my hand on this 04 day of April, 2015.

Inventor: _____

Gabriel RUSANEANU

Witness: _____


Witness: _____


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Wenbao WANG

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Inventor: Wenbao WANG
Wenbao WANG

Witness: L. C. Allen

Witness: Gail Cassel