

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Yalin JIN	12/14/2010
Vikram KRISHNAMURTHY	12/30/2010
John Michael HOOPER	12/01/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Microsemi Corporation
<b>Street Address:</b>	2381 Morse Ave.
<b>City:</b>	Irvine
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92614
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12903387
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(949)756-0308
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	7034861150
<b>Email:</b>	skahn@microsemi.com
<b>Correspondent Name:</b>	Microsemi Corp.- AMMSG c/o LandonIP, Inc.
<b>Address Line 1:</b>	1700 Diagonal Road
<b>Address Line 2:</b>	Suite 450
<b>Address Line 4:</b>	Alexandria, VIRGINIA 22314-2866
<b>ATTORNEY DOCKET NUMBER:</b>	VTS-003-US
<b>NAME OF SUBMITTER:</b>	Simon Kahn - Reg No 48249

Total Attachments: 6  
 source=VTS-003-US executed assignment#page1.tif

**501429284**

**PATENT**  
**REEL: 025758 FRAME: 0396**

**CH \$40.00 12903387**

source=VTS-003-US executed assignment#page2.tif  
source=VTS-003-US executed assignment#page3.tif  
source=VTS-003-US executed assignment#page4.tif  
source=VTS-003-US executed assignment#page5.tif  
source=VTS-003-US executed assignment#page6.tif

**ASSIGNMENT**

WHEREAS, We, Yalin JIN, Vikram KRISHNAMURTHY and John Michael HOOPER have invented one or more improvements in

**RF SWITCHABLE BALUN**

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

identified by Attorney Docket No. VTS-003-US, and/or executed by me of even date herewith and about to be filed in the United States Patent Office;

Serial No. 12/903,387 filed in the United States Patent Office on 13 October 2010;  
and

WHEREAS, Microsemi Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 2381 Morse Avenue, Irvine, California 92614 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 One Dollar (\$1.00) and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my 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 my entire right, title and interest in and to said application and such Letters Patent 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 Patent 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 my 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 my entire right, title and interest therein.

AND, we hereby further agree for myself and my 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 I 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 my 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 14 day of December, 2010.

Inventor: Yalin Jin  
**Yalin JIN**

Witness: Setu Modra

Witness: Alu Kyr Hwan

*IN TESTIMONY WHEREOF*, I have hereunto set my hand on this \_\_\_ day of \_\_\_\_\_, 2010.

Inventor: \_\_\_\_\_  
**Vikram KRISHNAMURTHY**

Witness: \_\_\_\_\_

Witness: \_\_\_\_\_

*IN TESTIMONY WHEREOF*, I have hereunto set my hand on this \_\_\_ day of \_\_\_\_\_, 2010.

Inventor: \_\_\_\_\_  
**John Michael HOOPER**

Witness: \_\_\_\_\_

Witness: \_\_\_\_\_

ASSIGNMENT

WHEREAS, We, Yalin JIN, Vikram KRISHNAMURTHY and John Michael HOOPER have invented one or more improvements in

**RF SWITCHABLE BALUN**

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

identified by Attorney Docket No. VTS-003-US, and/or executed by me of even date herewith and about to be filed in the United States Patent Office;

Serial No. 12/903,387 filed in the United States Patent Office on 13 October 2010;  
and

WHEREAS, Microsemi Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 2381 Morse Avenue, Irvine, California 92614 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 One Dollar (\$1.00) and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my 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 my entire right, title and interest in and to said application and such Letters Patent 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 Patent 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 my 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 my entire right, title and interest therein.

AND, we hereby further agree for myself and my 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 I 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 my 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 \_\_\_ day of \_\_\_\_\_, 2010.

Inventor: \_\_\_\_\_  
**Yalin JIN**

Witness: \_\_\_\_\_  
Witness: \_\_\_\_\_

*IN TESTIMONY WHEREOF*, I have hereunto set my hand on this \_\_\_ day of \_\_\_\_\_, 2010.

Inventor: \_\_\_\_\_  
**Vikram KRISHNAMURTHY**

Witness: \_\_\_\_\_  
Witness: \_\_\_\_\_

*IN TESTIMONY WHEREOF*, I have hereunto set my hand on this 1 day of DEC, 2010.

Inventor:   
**John Michael HOOPER**

Witness: \_\_\_\_\_  
Witness: \_\_\_\_\_

**ASSIGNMENT**

WHEREAS, We, Yalin JIN, Vikram KRISHNAMURTHY and John Michael HOOPER have invented one or more improvements in

**RF SWITCHABLE BALUN**

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

identified by Attorney Docket No. VTS-003-US, and/or executed by me of even date herewith and about to be filed in the United States Patent Office;

Serial No. 12/903,387 filed in the United States Patent Office on 13 October 2010;  
and

WHEREAS, Microsemi Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 2381 Morse Avenue, Irvine, California 92614 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 One Dollar (\$1.00) and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my 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 my entire right, title and interest in and to said application and such Letters Patent 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 Patent 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 my 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 my entire right, title and interest therein.

AND, we hereby further agree for myself and my 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 I 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 my 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 \_\_\_ day of \_\_\_\_\_, 2010.

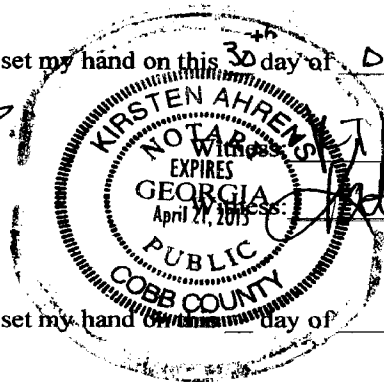
Inventor: \_\_\_\_\_  
**Yalin JIN**

Witness: \_\_\_\_\_

Witness: \_\_\_\_\_

*IN TESTIMONY WHEREOF*, I have hereunto set my hand on this 30 day of DEC., 2010.

Inventor: *Vikram Krishnamurthy*  
**Vikram KRISHNAMURTHY**



*Kirsten Ahrens*  
*John Sumner*

*IN TESTIMONY WHEREOF*, I have hereunto set my hand on this \_\_\_ day of \_\_\_\_\_, 2010.

Inventor: \_\_\_\_\_  
**John Michael HOOPER**

Witness: \_\_\_\_\_

Witness: \_\_\_\_\_