

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Shawn Anthony FAHRENBRUCH</td><td>06/01/2010</td></tr><tr><td>George LIU</td><td>06/01/2010</td></tr></tbody></table>		Name	Execution Date	Shawn Anthony FAHRENBRUCH	06/01/2010	George LIU	06/01/2010				
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Microsemi Corporation</td></tr><tr><td>Street Address:</td><td>11861 Western Ave.</td></tr><tr><td>City:</td><td>Garden Grove</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>92841</td></tr></table>		Name:	Microsemi Corporation	Street Address:	11861 Western Ave.	City:	Garden Grove	State/Country:	CALIFORNIA	Postal Code:	92841
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number: (949)756-0308 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 9492217172											
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Address Line 1: 2381 Morse Ave.											
Address Line 2: Intellectual Property Dept.											
Address Line 4: Irvine, CALIFORNIA 92614											
ATTORNEY DOCKET NUMBER:	MSC-016-US										
NAME OF SUBMITTER:	Simon Kahn - Reg No 48249										
Total Attachments: 2 source=MSC-016-US Executed Assignment#page1.tif source=MSC-016-US Executed Assignment#page2.tif											

CH \$40.00 12815496

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PATENT
REEL: 024661 FRAME: 0663

ASSIGNMENT

WHEREAS, We, Shawn Anthony FAHRENBRUCH and George LIU have invented one or more improvements in

LOW VOLTAGE DROP CLOSED LOOP UNIDIRECTIONAL ELECTRONIC VALVE

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

☒ identified by Attorney Docket No. MSC-016-US, and/or executed by me of even date herewith and about to be filed in the United States Patent Office, including without limitation a PCT equivalent identified by Attorney Docket No. MSC-016-PCT;

☐ Serial No. / filed in the United States Patent Office on ;
and

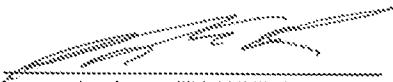
WHEREAS, Microsemi Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 11861 Western Avenue, Garden Grove, California 92841 desires to acquire an interest therein, in accordance with agreements duly 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.

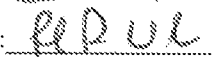
AND, we hereby further agree for myself and my executors and administrators to execute upon request and without further consideration, any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, 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 7 day of JULY, 2010.

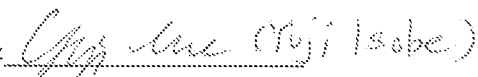
Inventor: 
Shawn Anthony FAHRENBRUCH

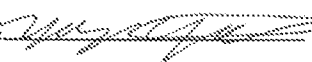
Witness:  (KAI KWAN)

Witness:  (PAUL WALKER)

IN TESTIMONY WHEREOF, I have hereunto set my hand on this 7 day of JUNE, 2010.

Inventor: 
George LIU

Witness:  (Fuji Isobe)

Witness:  (Yoji Yoshida)