

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5434433

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JOHN L. MCCOLLUM	03/14/2019
JONATHAN W. GREENE	03/14/2019
GREGORY WILLIAM BAKKER	03/20/2019
RECEIVING PARTY DATA	
Name:	MICROSEMI SOC CORP.
Street Address:	3870 NORTH FIRST STREET
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95134
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16353409
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Email:	admin@patentforce.com
Correspondent Name:	GLASS & ASSOCATES
Address Line 1:	236 NORTH SANTA CRUZ AVE
Address Line 2:	SUITE 243
Address Line 4:	LOS GATOS, CALIFORNIA 95030
ATTORNEY DOCKET NUMBER:	18204US02
NAME OF SUBMITTER:	KENNETH GLASS
SIGNATURE:	/Kenneth Glass/
DATE SIGNED:	03/21/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 6	
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DECLARATION AND ASSIGNMENT

**Title of
Invention**

APPARATUS AND METHOD FOR COMBINING ANALOG NEURAL NET
WITH FPGA ROUTING IN A MONOLITHIC INTEGRATED CIRCUIT

DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to US patent application Serial No. 16353409 (THE APPLICATION).

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in THE APPLICATION.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."

SUPPLEMENTAL ASSIGNMENT

To the extent not previously assigned to **Microsemi SoC Corp.**, a corporation organized under the laws of the state of California, having an address of 3870 North First Street, San Jose, CALIFORNIA 95134 (ASSIGNEE), and for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and without expectation of any future compensation whatsoever, the below named inventor(s) (ASSIGNORS) of certain inventions or improvements (THE INVENTIONS) described and/or claimed in THE APPLICATION, do hereby sell, assign and transfer and set over to ASSIGNEE, the entire worldwide right, title and interest in and to: THE INVENTIONS; THE APPLICATION and any other related intellectual property rights, such as, but not limited to, copyright rights, copyrightable subject matter, know how, trade secrets, copyright registrations, reproduction rights; all continuations, divisions, reexams, renewals of or substitutes for THE APPLICATION; the right to file counterparts to THE APPLICATION in all countries and regions; the right to claim priority from THE APPLICATION in all countries and regions; all priority rights under the International Convention for the Protection of Industrial Property for every member country; all patents which may be granted on or as a result thereof; and any reissue or reissues of such patents; the same to be held and enjoyed by the ASSIGNEE, its successors, nominees, assigns or legal representatives, to the full end of the term or terms for which such patents respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by the ASSIGNORS, had this Assignment, sale and transfer not been made.

ASSIGNORS hereby covenant that they: have full right to convey the entire interest herein assigned and that they have not executed and will not execute any agreement to transfer any rights in THE INVENTIONS and/or THE APPLICATION to anyone other than the ASSIGNEE or that is otherwise in conflict herewith. Furthermore, ASSIGNORS hereby waive any and all moral rights under 17 U.S.C. § 106A or otherwise.

Each time a request is made and without undue delay ASSIGNORS promise that they shall: execute and deliver all such papers as may be necessary or desirable to perfect the title to THE INVENTIONS, THE APPLICATION, and the patents in the ASSIGNEE, its successors, assigns, nominees or legal representatives; communicate to the ASSIGNEE, or its nominees, all known facts respecting THE INVENTIONS, THE APPLICATION and said patents; testify in any legal proceedings; sign all lawful papers; execute all disclaimers and divisional, continuing, reissue and foreign applications; make all rightful oaths; and do everything possible to aid the ASSIGNEE, its successors, assigns, legal representatives and nominees to obtain and enforce for its or their own benefit, proper patent protection for the Inventions in all countries; all at the expense, however, of the ASSIGNEE or its successors, assigns, nominees or legal representatives. ASSIGNORS agree not to challenge or oppose, on any grounds whatsoever, the validity of this Assignment or to contest the validity or enforceability of any intellectual property rights assigned herein. ASSIGNORS agree not to assist or request any third party to: contest the validity of this Assignment or contest the validity or enforceability of any intellectual property rights assigned herein.

DECLARATION AND ASSIGNMENT

ASSIGNORS hereby irrevocably designate and appoint the ASSIGNEE and its duly authorized officers and agents, and their successors, as their agents and attorneys-in-fact, to act on the ASSIGNORS' behalf and instead of the ASSIGNORS, to execute and file applications to patent THE INVENTIONS in all countries, and to do all other proper lawfully-permitted acts to further the assignment, prosecution and issuance of patents for the Inventions with the same legal force and effect as if executed by the ASSIGNORS. This power of attorney shall be deemed coupled with an interest and is irrevocable. ASSIGNORS hereby authorize and request any official of any country or countries whose duty it is to issue patents on applications to issue to the ASSIGNEE, its successors, assigns, legal representatives or nominees all patents for THE INVENTIONS in accordance with the terms of this Assignment.

Inventor (Legal Name): John L. McCollum

Signature: _____

Date: _____

Inventor (Legal Name): Jonathan W. Greene

Signature: *Jonathan Greene*

Date: 3/14/19

Inventor (Legal Name): Gregory William Bakker

Signature: _____

Date: _____

DECLARATION AND ASSIGNMENT

Title of Invention	APPARATUS AND METHOD FOR COMBINING ANALOG NEURAL NET WITH FPGA ROUTING IN A MONOLITHIC INTEGRATED CIRCUIT
<p style="text-align: center;">DECLARATION</p> <p>As a below named inventor, I hereby declare that:</p> <p>This declaration is directed to US patent application Serial No. 16353409 (THE APPLICATION).</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in THE APPLICATION.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.</p> <p>Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."</p> <p style="text-align: center;">SUPPLEMENTAL ASSIGNMENT</p> <p>To the extent not previously assigned to Microsemi SoC Corp., a corporation organized under the laws of the state of California, having an address of 3870 North First Street, San Jose, CALIFORNIA 95134 (ASSIGNEE), and for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and without expectation of any future compensation whatsoever, the below named inventor(s) (ASSIGNORS) of certain inventions or improvements (THE INVENTIONS) described and/or claimed in THE APPLICATION, do hereby sell, assign and transfer and set over to ASSIGNEE, the entire worldwide right, title and interest in and to: THE INVENTIONS; THE APPLICATION and any other related intellectual property rights, such as, but not limited to, copyright rights, copyrightable subject matter, know how, trade secrets, copyright registrations, reproduction rights; all continuations, divisions, reexams, renewals of or substitutes for THE APPLICATION; the right to file counterparts to THE APPLICATION in all countries and regions; the right to claim priority from THE APPLICATION in all countries and regions; all priority rights under the International Convention for the Protection of Industrial Property for every member country; all patents which may be granted on or as a result thereof; and any reissue or reissues of such patents; the same to be held and enjoyed by the ASSIGNEE, its successors, nominees, assigns or legal representatives, to the full end of the term or terms for which such patents respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by the ASSIGNORS, had this Assignment, sale and transfer not been made.</p> <p>ASSIGNORS hereby covenant that they: have full right to convey the entire interest herein assigned and that they have not executed and will not execute any agreement to transfer any rights in THE INVENTIONS and/or THE APPLICATION to anyone other than the ASSIGNEE or that is otherwise in conflict herewith. Furthermore, ASSIGNORS hereby waive any and all moral rights under 17 U.S.C. § 106A or otherwise.</p> <p>Each time a request is made and without undue delay ASSIGNORS promise that they shall: execute and deliver all such papers as may be necessary or desirable to perfect the title to THE INVENTIONS, THE APPLICATION, and the patents in the ASSIGNEE, its successors, assigns, nominees or legal representatives; communicate to the ASSIGNEE, or its nominees, all known facts respecting THE INVENTIONS, THE APPLICATION and said patents; testify in any legal proceedings; sign all lawful papers; execute all disclaimers and divisional, continuing, reissue and foreign applications; make all rightful oaths; and do everything possible to aid the ASSIGNEE, its successors, assigns, legal representatives and nominees to obtain and enforce for its or their own benefit, proper patent protection for the Inventions in all countries; all at the expense, however, of the ASSIGNEE or its successors, assigns, nominees or legal representatives. ASSIGNORS agree not to challenge or oppose, on any grounds whatsoever, the validity of this Assignment or to contest the validity or enforceability of any intellectual property rights assigned herein. ASSIGNORS agree not to assist or request any third party to: contest the validity of this Assignment or contest the validity or enforceability of any intellectual property rights assigned herein.</p>	

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Inventor (Legal Name): John L. McCollum

Signature: _____

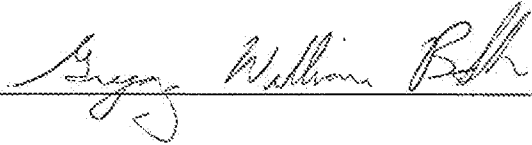
Date: _____

Inventor (Legal Name): Jonathan W. Greene

Signature: _____

Date: _____

Inventor (Legal Name): Gregory William Bakker

Signature: 

Date: 3/20/19

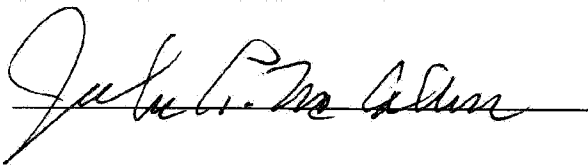
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Inventor (Legal Name): John L. McCollum

Signature:  Date: 3/14/2019

Inventor (Legal Name): Jonathan W. Greene

Signature: _____ Date: _____

Inventor (Legal Name): Gregory William Bakker

Signature: _____ Date: _____