

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT														
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT														
<b>CONVEYING PARTY DATA</b>															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Andreas P. Friedrich</td> <td>02/05/2010</td> </tr> <tr> <td>Andrea Foletto</td> <td>02/05/2010</td> </tr> <tr> <td>Michael C. Doogue</td> <td>01/28/2010</td> </tr> <tr> <td>William P. Taylor</td> <td>01/26/2010</td> </tr> <tr> <td>Ravi Vig</td> <td>01/26/2010</td> </tr> <tr> <td>P. Karl Scheller</td> <td>02/12/2010</td> </tr> </tbody> </table>		Name	Execution Date	Andreas P. Friedrich	02/05/2010	Andrea Foletto	02/05/2010	Michael C. Doogue	01/28/2010	William P. Taylor	01/26/2010	Ravi Vig	01/26/2010	P. Karl Scheller	02/12/2010
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<b>RECEIVING PARTY DATA</b>															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>Allegro Microsystems, Inc.</td> </tr> <tr> <td><b>Street Address:</b></td> <td>115 Northeast Cutoff</td> </tr> <tr> <td><b>City:</b></td> <td>Worcester</td> </tr> <tr> <td><b>State/Country:</b></td> <td>MASSACHUSETTS</td> </tr> <tr> <td><b>Postal Code:</b></td> <td>01606</td> </tr> </table>		<b>Name:</b>	Allegro Microsystems, Inc.	<b>Street Address:</b>	115 Northeast Cutoff	<b>City:</b>	Worcester	<b>State/Country:</b>	MASSACHUSETTS	<b>Postal Code:</b>	01606				
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<b>PROPERTY NUMBERS Total: 1</b>															
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<b>CORRESPONDENCE DATA</b>															
<p><b>Fax Number:</b> (781)401-9966</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p><b>Phone:</b> 7814019988</p> <p><b>Email:</b> mhw@dc-m.com</p> <p><b>Correspondent Name:</b> Daly, Crowley, Mofford &amp; Durkee, LLP</p> <p><b>Address Line 1:</b> 354A Turnpike Street</p> <p><b>Address Line 2:</b> Suite 301A</p> <p><b>Address Line 4:</b> Canton, MASSACHUSETTS 02021-2714</p>															
<b>ATTORNEY DOCKET NUMBER:</b>	ALLEG-264AUS														

CH \$40.00 12706318

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**PATENT**  
**REEL: 023945 FRAME: 0270**

NAME OF SUBMITTER:

Kermit Robinson

**Total Attachments: 8**

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## A S S I G N M E N T

Whereas we, the undersigned, Andreas P. Friedrich, Andrea Foletto, Michael C. Doogue, William P. Taylor, Ravi Vig and P. Karl Scheller, hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled CIRCUITS AND METHODS FOR GENERATING A SELF-TEST OF A MAGNETIC FIELD SENSOR, identified as Attorney Docket No. ALLEG-264AUS, and Client Case No. A-2157, which application was executed on February 5, 2010, February 5, 2010, January 28, 2010, January 26, 2010, January 26, 2010 and January 26, 2010, and filed on February 16, 2010 and assigned Application No. 12/706,318. In the event that the execution date, filing date and/or Application No. are not entered above or are incorrect at the time we executed this document, and if such information is deemed necessary, we hereby authorize and request our attorneys at DALY, CROWLEY, MOFFORD & DURKEE, LLP, 354A Turnpike Street, Suite 301A, Canton, MA 02021-2714, to insert above the execution date, filing date and/or Application No. of said application.

Whereas Allegro Microsystems, Inc., a Delaware Corporation having a place of business at 115 Northeast Cutoff, Worcester, Massachusetts 01606, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, reissue, re-examination and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent and any provisional applications from which priority is claimed in said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

PATENT ASSIGNMENT  
Atty. Dckt. No.: ALLEG-264AUS  
Client Case No.: A-2157

In testimony of which we have each executed this Assignment on the date indicated next to each of our respective names.

Dated: 02/05/2010

A. Friedrich  
Andreas P. Friedrich

On this 5 day of February, 2010, before me appeared Andreas P. Friedrich, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

WFL  
First Witness Signature

NICOLAS YOAKIM  
First Witness Printed Name


On this 5<sup>th</sup> day of February, 2010, before me appeared Andreas P. Friedrich, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

GV  
Second Witness Signature  
GILLET CEDRIC

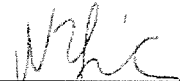
Second Witness Printed Name

PATENT ASSIGNMENT  
Atty. Dckt. No.: ALLEG-264AUS  
Client Case No.: A-2157

Dated: 5/02/2010


  
\_\_\_\_\_  
Andrea Foletto

On this 5 day of February, 2010, before me appeared Andrea Foletto, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

  
\_\_\_\_\_  
First Witness Signature

NICOLAS YOKIM  
\_\_\_\_\_  
First Witness Printed Name

On this 5<sup>th</sup> day of February, 2010, before me appeared Andrea Foletto, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.


  
\_\_\_\_\_  
Second Witness Signature

GILLET CEDRIC


\_\_\_\_\_  
Second Witness Printed Name

PATENT ASSIGNMENT  
Atty. Dckt. No.: ALLEG-264AUS  
Client Case No.: A-2157

Dated: 01/28/2010

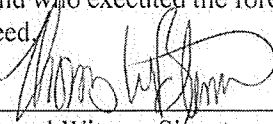
  
\_\_\_\_\_  
Michael C. Doogue

On this 28 day of JANUARY, 2010, before me appeared Michael C. Doogue, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

  
\_\_\_\_\_  
First Witness Signature

MYEONG HWAN LEE  
\_\_\_\_\_  
First Witness Printed Name

On this 28 day of JANUARY, 2010, before me appeared Michael C. Doogue, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

  
\_\_\_\_\_  
Second Witness Signature

Thomas W. Bateman  
\_\_\_\_\_  
Second Witness Printed Name

PATENT ASSIGNMENT  
Atty. Dckt. No.: ALLEG-264AUS  
Client Case No.: A-2157

Dated: 26 January 2010

William P. Taylor  
William P. Taylor

On this 26<sup>th</sup> day of January, 2010, before me appeared William P. Taylor, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

N. Kozomora  
First Witness Signature

Nerunka Kozomora  
First Witness Printed Name

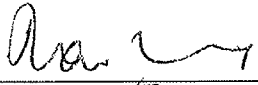
On this 26<sup>th</sup> day of January, 2010, before me appeared William P. Taylor, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Donna J. Benson  
Second Witness Signature

Donna J. Benson  
Second Witness Printed Name



Dated: 1/26/10

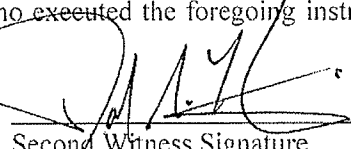
  
Ravi Vig

On this 27<sup>th</sup> day of Jan, 2010, before me appeared Ravi Vig, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

  
First Witness Signature

Donna J. Benson  
First Witness Printed Name

On this 27<sup>th</sup> day of JANUARY, 2010, before me appeared Ravi Vig, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

  
Second Witness Signature

Robert A. Forrin  
Second Witness Printed Name

PATENT ASSIGNMENT  
Atty. Dckt. No.: ALLEG-264AUS  
Client Case No.: A-2157

Dated: 2/12/2010

P. Karl Scheller  
P. Karl Scheller

On this 12 day of Feb, 2010, before me appeared P. Karl Scheller, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Matthew Drouin  
First Witness Signature

Matthew Drouin  
First Witness Printed Name

On this 12 day of Feb, 2010, before me appeared P. Karl Scheller, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Jeffrey E. Eaglen  
Second Witness Signature

Jeffrey E. Eaglen  
Second Witness Printed Name

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