

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>Mark J. Donovan</td><td>08/18/2011</td></tr><tr><td>Michael C. Doogue</td><td>08/18/2011</td></tr><tr><td>Ryan Metivier</td><td>08/18/2011</td></tr></tbody></table>	Name	Execution Date	Mark J. Donovan	08/18/2011	Michael C. Doogue	08/18/2011	Ryan Metivier	08/18/2011			
Name	Execution Date										
Mark J. Donovan	08/18/2011										
Michael C. Doogue	08/18/2011										
Ryan Metivier	08/18/2011										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Allegro Microsystems, Inc.</td></tr><tr><td>Street Address:</td><td>115 Northeast Cutoff</td></tr><tr><td>City:</td><td>Worcester</td></tr><tr><td>State/Country:</td><td>MASSACHUSETTS</td></tr><tr><td>Postal Code:</td><td>01606</td></tr></table>	Name:	Allegro Microsystems, Inc.	Street Address:	115 Northeast Cutoff	City:	Worcester	State/Country:	MASSACHUSETTS	Postal Code:	01606	
Name:	Allegro Microsystems, Inc.										
Street Address:	115 Northeast Cutoff										
City:	Worcester										
State/Country:	MASSACHUSETTS										
Postal Code:	01606										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13213406</td></tr></tbody></table>	Property Type	Number	Application Number:	13213406							
Property Type	Number										
Application Number:	13213406										
CORRESPONDENCE DATA											
Fax Number: (781)401-9966 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 7814019988											
Email: mhw@dc-m.com											
Correspondent Name: Daly, Crowley, Mofford & Durkee, LLP											
Address Line 1: 354A Turnpike Street											
Address Line 2: Suite 301A											
Address Line 4: Canton, MASSACHUSETTS 02021-2714											
ATTORNEY DOCKET NUMBER:	ALLEG-314PUS										
NAME OF SUBMITTER:	Kermit Robinson										
Total Attachments: 5 source=TO_PTO_Assignment#page1.tif source=TO_PTO_Assignment#page2.tif source=TO_PTO_Assignment#page3.tif source=TO_PTO_Assignment#page4.tif source=TO_PTO_Assignment#page5.tif											

CH \$40.00 13213406

ASSIGNMENT

Whereas we, the undersigned, Mark J. Donovan, Michael C. Doogue and Ryan Metivier 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 AUTOMATICALLY ADJUSTING A MAGNETIC FIELD SENSOR IN ACCORDANCE WITH A SPEED OF ROTATION SENSED BY THE MAGNETIC FIELD SENSOR, identified as Attorney Docket No. ALLEG-314PUS, and Client Case No. A-2207, which application was executed on August 18, 2011, and filed on August 19, 2011 and Assigned Application No. 13/213,406. In the event that the execution date, filing date and/or Application No. are not entered above 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.

In testimony of which we have each executed this Assignment as an instrument on the date indicated next to our name(s).

Dated: 8/18/11

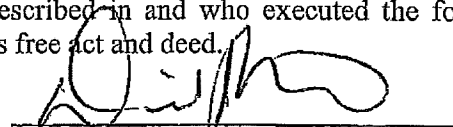

Mark J. Donovan

On this 18 day of August, 2011, before me appeared Mark J. Donovan, 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 18 day of August, 2011, before me appeared Mark J. Donovan, 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

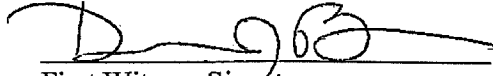
David J. Haas
Second Witness Printed Name

Dated: 8/18/2011



Michael C. Doogue

On this 18 day of AUGUST, 2011, 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.

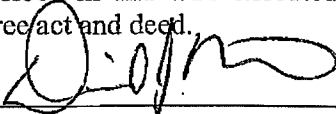


First Witness Signature

Donna J. Benson

First Witness Printed Name

On this 18 day of AUGUST, 2011, 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

David J. Haas

Second Witness Printed Name

Dated: 8/18/2011

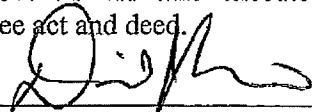

Ryan Metivier

On this 18th day of August, 2011, before me appeared Ryan Metivier, 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 18th day of August, 2011, before me appeared Ryan Metivier, 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

David T. Haas
Second Witness Printed Name