

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4395531

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the RECEIVING PARTY NAME previously recorded on Reel 031729 Frame 0658. Assignor(s) hereby confirms the ASSIGNMENT.
CONVEYING PARTY DATA	
Name	Execution Date
RAVI VIG	07/25/2008
P. KARL SCHELLER	07/24/2008
PAUL DAVID	07/28/2008
RECEIVING PARTY DATA	
Name:	ALLEGRO MICROSYSTEMS, INC.
Street Address:	115 NORTHEAST CUTOFF
City:	WORCESTER
State/Country:	MASSACHUSETTS
Postal Code:	01615-0036
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14093815
CORRESPONDENCE DATA	
Fax Number:	(781)401-9966
<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>	
Phone:	7814019988
Email:	mmc@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-235BUS
NAME OF SUBMITTER:	KERMIT ROBINSON
SIGNATURE:	/Kermit Robinson/
DATE SIGNED:	05/02/2017
Total Attachments: 8	
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT2639471

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RAVI VIG	07/25/2008
P. KARL SCHELLER	07/24/2008
PAUL DAVID	07/28/2008
RECEIVING PARTY DATA	
Name:	ALLEGRO MICROSYSTEMS, LLC
Street Address:	115 NORTHEAST CUTOFF
City:	WORCESTER
State/Country:	MASSACHUSETTS
Postal Code:	01615-0036
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	14093787
Application Number:	14093815
CORRESPONDENCE DATA	
Fax Number:	(781)401-9968
Phone:	7814019988
Email:	sms@dc-m.com
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>	
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-236AUS, ALLEG-236BU
NAME OF SUBMITTER:	KRISTOFFER W. LANGE

CH \$80.00 14093787



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

DECEMBER 9, 2013

PTAS

DALY, CROWLEY, MOFFORD & DURKEE, LLP
354A TURNPIKE STREET
SUITE 301A
CANTON, MA 02021-2714

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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 12/06/2013

REEL/FRAME: 031729/0658
NUMBER OF PAGES: 9

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: ALLEG-23SAUS, ALLEG-235BU

ASSIGNOR:
VIG, RAVI

DOC DATE: 07/25/2008

ASSIGNOR:
SCHELLER, P. KARL

DOC DATE: 07/24/2008

ASSIGNOR:
DAVID, PAUL

DOC DATE: 07/28/2008

ASSIGNEE:
ALLEGRO MICROSYSTEMS, LLC
115 NORTHEAST CUTOFF
WORCESTER, MASSACHUSETTS 01615-0036

APPLICATION NUMBER: 14093787

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: APPARATUS AND METHOD FOR PROVIDING AN OUTPUT SIGNAL INDICATIVE OF A SPEED OF ROTATION AND A DIRECTION OF ROTATION OF A FERROMAGNETIC OBJECT

APPLICATION NUMBER: 14093815 FILING DATE:
PATENT NUMBER: ISSUE DATE:
TITLE: APPARATUS AND METHOD FOR PROVIDING AN OUTPUT SIGNAL INDICATIVE
 OF A SPEED OF ROTATION AND A DIRECTION OF ROTATION OF A
 FERROMAGNETIC OBJECT

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

ASSIGNMENT

Whereas we, the undersigned, Ravi Vig, P. Karl Scheller and Paul David hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled APPARATUS AND METHOD FOR PROVIDING AN OUTPUT SIGNAL INDICATIVE OF A SPEED OF ROTATION AND A DIRECTION OF ROTATION OF A FERROMAGNETIC OBJECT, identified as Attorney Docket No. ALLEG-235PUS, and Client Case No. A-2127, which application was executed on July 25, 2008, July 24, 2008 and July 28, 2008, and filed on July 31, 2008 and Assigned Application No. 12/183,367. 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 01615-0036, 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 on the date indicated next to each of our respective names.

Dated: July 25, 2008

Ravi Vig
Ravi Vig

On this 25th day of July, 2008, 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.

William P. Taylor
First Witness Signature

WILLIAM P. TAYLOR
First Witness Printed Name

On this 25 day of July, 2008, 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.

Tom Bateman
Second Witness Signature

Tom Bateman
Second Witness Printed Name

Dated: 7/24/2008

P. Karl Scheller
P. Karl Scheller

On this 24th day of July, 2008, 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.

William P. Taylor
First Witness Signature

WILLIAM P. TAYLOR
First Witness Printed Name

On this 24th day of July, 2008, 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.

[Signature]
Second Witness Signature

John Washington
Second Witness Printed Name

Dated: 7/28/08

Paul David
Paul David

On this 28 day of July, 2008, before me appeared Paul David, 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.

Robert S. Davis
First Witness Signature

Robert S. Davis
First Witness Printed Name

On this 28 day of JULY, 2008, before me appeared Paul David, 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.

Robert A. Nesbitt, Jr.
Second Witness Signature

ROBERT A. NESBITT, JR.
Second Witness Printed Name

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