

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5859266

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE NAME FROM ALLEGRO MICRO SYSTEMS, LLC TO ALLEGRO MICROSYSTEMS, LLC previously recorded on Reel 044789 Frame 0637. Assignor(s) hereby confirms the ASSIGNEE NAME TO READ ALLEGRO MICROSYSTEMS, LLC.
CONVEYING PARTY DATA	
Name	Execution Date
SIMON TIMA	02/15/2016
YANNICK VUILLERMET	01/29/2016
ANDREAS P. FRIEDRICH	02/12/2016
THOMAS KERDRAON	02/11/2016
ALLEGRO MICROSYSTEMS GERMANY GMBH	01/28/2016
ALLEGRO MICROSYSTEMS FRANCE SAS	01/28/2016
ALLEGRO MICROSYSTEMS EUROPE LIMITED	01/28/2016
RECEIVING PARTY DATA	
Name:	ALLEGRO MICROSYSTEMS, LLC
Street Address:	115 NORTHEAST CUTOFF
City:	WORCESTER
State/Country:	MASSACHUSETTS
Postal Code:	01606
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15834569
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:	jlm@dc-m.com
Correspondent Name:	DALY, CROWLEY, MOFFORD & DURKEE, LLP
Address Line 1:	ONE UNIVERSITY AVENUE
Address Line 2:	SUITE 201B
Address Line 4:	WESTWOOD, MASSACHUSETTS 02090
ATTORNEY DOCKET NUMBER:	ALLEG-485AUS
NAME OF SUBMITTER:	ANTHONY T. MOOSEY

PATENT

SIGNATURE:	/Anthony T. Moosey/
DATE SIGNED:	12/10/2019
Total Attachments: 12 source=TO_PTO_CORRECTED_ASSIGNMENT#page1.tif source=TO_PTO_CORRECTED_ASSIGNMENT#page2.tif source=TO_PTO_CORRECTED_ASSIGNMENT#page3.tif source=TO_PTO_CORRECTED_ASSIGNMENT#page4.tif source=TO_PTO_CORRECTED_ASSIGNMENT#page5.tif source=TO_PTO_CORRECTED_ASSIGNMENT#page6.tif source=TO_PTO_CORRECTED_ASSIGNMENT#page7.tif source=TO_PTO_CORRECTED_ASSIGNMENT#page8.tif source=TO_PTO_CORRECTED_ASSIGNMENT#page9.tif source=TO_PTO_CORRECTED_ASSIGNMENT#page10.tif source=TO_PTO_CORRECTED_ASSIGNMENT#page11.tif source=TO_PTO_CORRECTED_ASSIGNMENT#page12.tif	



UNITED STATES PATENT AND TRADEMARK OFFICE

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

FEBRUARY 1, 2018

PTAS

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

504677971

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: 12/08/2017

REEL/FRAME: 044789/0637
NUMBER OF PAGES: 11

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

DOCKET NUMBER: ALLEG-485AUS

ASSIGNOR:
TIMA, SIMON

DOC DATE: 02/15/2016

ASSIGNOR:
VUILLERMET, YANNICK

DOC DATE: 01/29/2016

ASSIGNOR:
FRIEDRICH, ANDREAS P.

DOC DATE: 02/12/2016

ASSIGNOR:
KERDRAON, THOMAS

DOC DATE: 02/11/2016

ASSIGNOR:
ALLEGRO MICROSYSTEMS GERMANY GMBH

DOC DATE: 01/28/2016

ASSIGNOR:
ALLEGRO MICROSYSTEMS FRANCE SAS

DOC DATE: 01/28/2016

ASSIGNOR:
ALLEGRO MICROSYSTEMS EUROPE LIMITED

DOC DATE: 01/28/2016

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ASSIGNEE: *microSYSTEMS,*
ALLEGRO ~~MICRO-SYSTEMS,~~ LLC
115 NORTHEAST CUTOFF
WORCESTER, MASSACHUSETTS 01606

APPLICATION NUMBER: 15834569 FILING DATE: 12/07/2017
PATENT NUMBER: ISSUE DATE:
TITLE: ANGLE SENSING USING DIFFERENTIAL MAGNETIC MEASUREMENT AND A BACK
 BIAS MAGNET

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT4724693

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SIMON TIMA	02/15/2016
YANNICK VUILLERMET	01/29/2016
ANDREAS P. FRIEDRICH	02/12/2016
THOMAS KERDRAON	02/11/2016
ALLEGRO MICROSYSTEMS GERMANY GMBH	01/28/2016
ALLEGRO MICROSYSTEMS FRANCE SAS	01/28/2016
ALLEGRO MICROSYSTEMS EUROPE LIMITED	01/28/2016
RECEIVING PARTY DATA	
Name:	ALLEGRO MICRO-SYSTEMS, LLC <i>microsystems, LLC</i>
Street Address:	115 NORTHEAST CUTOFF
City:	WORCESTER
State/Country:	MASSACHUSETTS
Postal Code:	01606
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15834569
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:	781-401-9988
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-485AUS
NAME OF SUBMITTER:	KERMIT ROBINSON
SIGNATURE:	/Kermit Robinson/
DATE SIGNED:	12/07/2017

PATENT

ASSIGNMENT

Whereas we, Simon Tima, Yannick Vuilleminet, Andreas P. Friedrich and Thomas Kerdraon, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled: **ANGLE SENSING USING DIFFERENTIAL MAGNETIC MEASUREMENT AND A BACK BIAS MAGNET**, identified as Attorney Docket No. **ALLEG-483PUS**, and Client Case No. **A-2377**, which application was executed on 2015/10/29/21/2015, 21/1/16, and filed on February 12, 2016, and assigned Application No. 15/042,469. In the event that the execution date, filing date, and/or Application No. are not entered above at the time this document is executed, and if such information is deemed necessary, we hereby authorize and request our attorneys at **DALY, CROWLEY, MORFORD & 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 Germany GmbH, a company registered in Germany and having a place of business at Adlerweg 1, D-79856 Hinzarsarten, Germany may have certain rights in the above identified inventions or discoveries;

Whereas Allegro MicroSystems France SAS, a company registered in France and having a place of business at 60 Rue Cassiopée, Parc Altaïs, 74650 Chavignol, France may have certain rights in the above identified inventions or discoveries;

Whereas Allegro MicroSystems Europe Limited, a company registered in England and having a place of business at Molins House, 124 Bridge Road, Chertsey Surrey KT16 8LH United Kingdom may have certain rights in the above identified inventions or discoveries;

Whereas, Allegro MicroSystems, LLC, a Delaware limited liability company 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, Simon Tima, Yannick Vuilleminet, Andreas P. Friedrich and Thomas Kerdraon, and Allegro MicroSystems Germany GmbH by signature of Robert C. Hunt, Allegro MicroSystems France SAS by signature of Robert C. Hunt, and Allegro MicroSystems Europe Limited by signature of Stephenie Adams hereby acknowledge, we each 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, PCT, 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

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Client Case No.: A-2377

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, assigns, and successors, 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, assigns, and successors 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, assigns, or successors which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries;

6. Warrant that Stephanie Adams, Commercial Director of Allegro MicroSystems Europe Limited, is authorized to act on behalf of, and to bind Allegro MicroSystems Europe Limited.

7. Warrant that Robert C. Hunt, Managing Director of Allegro MicroSystems Germany GmbH, is authorized to act on behalf of, and to bind Allegro MicroSystems Germany GmbH.

8. Warrant that Robert C. Hunt, Legal Representative of Allegro MicroSystems France SAS, is authorized to act on behalf of, and to bind Allegro MicroSystems France SAS.

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Client Case No.: A-2377

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

Dated: 15 Feb 2016

[Signature]
Simon Tima

On this 15 day of Feb, 2016, before me appeared Simon Tima,
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]
First Witness Signature

Josel Janisch
First Witness Printed Name

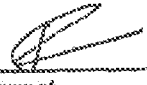
On this 15 day of Feb, 2016 before me appeared Simon Tima,
to me known and known to me to be the person described in and who executed the foregoing
instrument, and he acknowledged the same to be his free act and deed.

[Signature]
Second Witness Signature

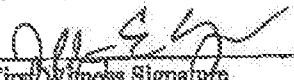
Andrew J. [unclear]
Second Witness Printed Name

PATENT
Atty. Dckt. No.: ALLEG-485FUS
Client Case No.: A-2377

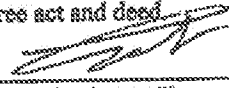
Dated: 23rd January 2016


Yannick Vuillermet

On this 23 day of 01, 2016, before me appeared Yannick Vuillermet,
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
Jeffrey E. Engh
First Witness Printed Name

On this 23 day of 01, 2016, before me appeared Yannick Vuillermet,
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
Cedric Grillet
Second Witness Printed Name

PATENT
Atty. Dckt. No.: ALLEG-485FUS
Client Case No.: A-2377

Dated: 12 February 2016

A. Friedrich
Andreas P. Friedrich

On this 12 day of February, 2016, 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.

Christian Feacht
First Witness Signature

Christian Feacht
First Witness Printed Name

On this 12 day of February, 2016, 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.

Mary Regan
Second Witness Signature

MARY REGAN
Second Witness Printed Name

PATENT
Att. Dckt. No.: ALLEG-485PUB
Client Case No.: A-2377

Dated: Feb. 11, 2016

[Signature]
Thomas Kerdraon

On this 11 day of February, 2016, before me appeared Thomas Kerdraon,
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]
First Witness Signature
Yvonne Kerdraon
First Witness Printed Name

On this 11 day of February, 2016, before me appeared Thomas Kerdraon,
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
Pierre Kerdraon
Second Witness Printed Name

PATENT
Atty. Dckt. No.: ALLEG-485PUS
Client Case No.: A-2377

Dated: 28/1/16

M.H.H.
Allegro MicroSystems Germany GmbH
By: Robert C. Hunt
In his capacity as Managing Director of
Allegro MicroSystems Germany GmbH

On this 28th day of January, 2016, before me appeared Robert C. Hunt,
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]
First Witness Signature

W. O. Appleby
First Witness Printed Name

On this 28 day of January, 2016, before me appeared Robert C. Hunt,
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

S. FRANKLIN
Second Witness Printed Name

PATENT
Atty. Dckt. No.: ALLEG-485PUS
Client Case No.: A-2377

Dated: 28/11/16

Robert C. Hunt
Allegro MicroSystems France SAS
By: Robert C. Hunt
In his capacity as Legal Representative of
Allegro MicroSystems France SAS

On this 28th day of January, 2016, before me appeared Robert C. Hunt,
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]
First Witness Signature
W. O. AKARME
First Witness Printed Name

On this 28 day of January, 2016, before me appeared Robert C. Hunt,
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
S. FRANKLIN
Second Witness Printed Name

PATENT
Atty. Dckt. No.: ALLEG-485PUS
Client Case No.: A-2377

Dated: 21 January 2016

Stephanie Adams
Allegro MicroSystems Europe Limited
By: Stephanie Adams
In her capacity as Commercial Director of
Allegro MicroSystems Europe Limited

On this 21st day of January, 2016, before me appeared Stephanie Adams,
to me known and known to me to be the person described in and who executed the foregoing
instrument, and she acknowledged the same to be her free act and deed.

[Signature]
First Witness Signature

[Printed Name]
First Witness Printed Name

On this 28 day of January, 2016, before me appeared Stephanie Adams,
to me known and known to me to be the person described in and who executed the foregoing
instrument, and she acknowledged the same to be her free act and deed.

[Signature]
Second Witness Signature

S. FRANKLIN
Second Witness Printed Name

480768