

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3909983

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the CONVEYING PARTY NAME previously recorded on Reel 038777 Frame 0831. Assignor(s) hereby confirms the CONVEYING PARTY NAME OF PABLO CAMPIGLIO IS SPELLED INCORRECTLY.
CONVEYING PARTY DATA	
Name	Execution Date
PAOLO CAMPIGLIO	05/26/2016
BRYAN CADUGAN	05/26/2016
ALLEGRO MICROSYSTEMS EUROPE LIMITED	05/26/2016
RECEIVING PARTY DATA	
Name:	ALLEGRO MICROSYSTEMS, INC.
Street Address:	115 NORTHEAST CUTOFF
City:	WORCESTER
State/Country:	MASSACHUSETTS
Postal Code:	01606
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15165322
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:	led@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
ATTORNEY DOCKET NUMBER:	ALLEG-522AUS
NAME OF SUBMITTER:	KERMIT ROBINSON
SIGNATURE:	/Kermit Robinson/
DATE SIGNED:	06/08/2016
Total Attachments: 13	

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3899082

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	PABLO CAMPIGLIO — <i>Should be Paolo Campiglio</i>	05/26/2016
	BRYAN CADUGAN	05/26/2016
	ALLEGRO MICROSYSTEMS EUROPE LIMITED	05/26/2016
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:	15165322	
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:	led@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	
ATTORNEY DOCKET NUMBER:	ALLEG-522AUS	
NAME OF SUBMITTER:	KERMIT ROBINSON	
SIGNATURE:	/Kermit Robinson/	
DATE SIGNED:	06/01/2016	
Total Attachments: 10		
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PATENT

ASSIGNMENT

Whereas we, Paolo Campiglio and Bryan Cadogan, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled: SPIN VALVE MAGNETORESISTANCE ELEMENT WITH IMPROVED RESPONSE TO MAGNETIC FIELDS, identified as Attorney Docket No. ALLEG-522AUS, and Client Case No. A-2418, which application was executed on May 26, 2016 and filed on May 26, 2016 and assigned Application No. 15/165,322 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, 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 Europe Limited, a company registered in England and having a place of business at Melita 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, Paolo Campiglio and Bryan Cadogan, 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 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

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PATENT ASSIGNMENT
Atty. Dckt. No.: ALLEG-522AUS
Client Case No.: A-2418

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 Stephenis Adams, Commercial Director of Allegro MicroSystems Europe Limited, is authorized to act on behalf of, and to bind Allegro MicroSystems Europe Limited.

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

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PATENT ASSIGNMENT
Atty. Dckt. No.: ALLEG-522AUS
Client Case No.: A-2418

Dated: 18.05.2016

Pablo Campiglio
Pablo Campiglio

On this 26 day of 05, 2016, before me appeared Pablo Campiglio,
to me known and known to me to be the person described in and who executed the foregoing
instrument, and he or she acknowledged the same to be his or her free act and deed.

[Signature]
First Witness Signature
WITNESS
First Witness Printed Name

On this 26 day of 05, 2016, before me appeared Pablo Campiglio,
to me known and known to me to be the person described in and who executed the foregoing
instrument, and he or she acknowledged the same to be his or her free act and deed.

[Signature]
Second Witness Signature
PAU
Second Witness Printed Name

Doc ID 503852433

PATENT ASSIGNMENT
Atty. Dckt. No.: ALLEG-522AUS
Client Case No.: A-2418

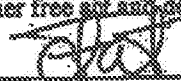
Dated: 26.05.16


Bryan Cadugan

On this 26 day of May, 2016, before me appeared Bryan Cadugan,
to me known and known to me to be the person described in and who executed the foregoing
instrument, and he or she acknowledged the same to be his or her free act and deed.


First Witness Signature
WACONAME
First Witness Printed Name

On this 26 day of May, 2016, before me appeared Bryan Cadugan,
to me known and known to me to be the person described in and who executed the foregoing
instrument, and he or she acknowledged the same to be his or her free act and deed.


Second Witness Signature
FORT
Second Witness Printed Name



Doc. ID 503852433

PATENT ASSIGNMENT
Atty. Dckt. No.: ALLEG-522AUS
Client Case No.: A-2418

Dated: _____

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

On this _____ day of _____, _____, before me appeared Stephanie Adams,
Day Month Year
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.

First Witness Signature

First Witness Printed Name

On this _____ day of _____, _____, before me appeared Stephanie Adams,
Day Month Year
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.

Second Witness Signature

Second Witness Printed Name

518237

PATENT

ASSIGNMENT

Whereas we, Paolo Campiglio and Bryan Cadogan, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled: SPIN VALVE MAGNETORESISTANCE ELEMENT WITH IMPROVED RESPONSE TO MAGNETIC FIELDS, identified as Attorney Docket No. ALLEG-522AUS, and Client Case No. A-2418, which application was executed on May 26, 2016 and filed on May 26, 2016 and assigned Application No. 15/165,333 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, 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 Europe Limited, a company registered in England and having a place of business at Melita 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, Paolo Campiglio and Bryan Cadogan, 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 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

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PATENT ASSIGNMENT
Atty. Dckt. No.: ALLEG-522AUS
Client Case No.: A-2418

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 Stephenie Adams, Commercial Director of Allegro MicroSystems Europe Limited, is authorized to act on behalf of, and to bind Allegro MicroSystems Europe Limited.

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

GA.

Doc. ID

503852433

PATENT ASSIGNMENT
Atty. Dckt. No.: ALLEG-522AUS
Client Case No.: A-2418

Dated: _____

Paolo Campiglio

On this _____ day of _____, _____, before me appeared Paolo Campiglio,
Day Month Year
to me known and known to me to be the person described in and who executed the foregoing
instrument, and he or she acknowledged the same to be his or her free act and deed.

First Witness Signature

First Witness Printed Name

On this _____ day of _____, _____, before me appeared Paolo Campiglio,
Day Month Year
to me known and known to me to be the person described in and who executed the foregoing
instrument, and he or she acknowledged the same to be his or her free act and deed.

Second Witness Signature

Second Witness Printed Name

OK

Doc. ID 503852433

PATENT ASSIGNMENT
Atty. Dckt. No.: ALLEG-522AUS
Client Case No.: A-2418

Dated: _____

Bryan Cadugan

On this _____ day of _____, _____, before me appeared Bryan Cadugan,
Day Month Year
to me known and known to me to be the person described in and who executed the foregoing
instrument, and he or she acknowledged the same to be his or her free act and deed.

First Witness Signature

First Witness Printed Name

On this _____ day of _____, _____, before me appeared Bryan Cadugan,
Day Month Year
to me known and known to me to be the person described in and who executed the foregoing
instrument, and he or she acknowledged the same to be his or her free act and deed.

Second Witness Signature

Second Witness Printed Name

CA.

PATENT ASSIGNMENT
Atty. Dekt. No.: ALLEG-522AUS
Client Case No.: A-2418

Dated: 25 May 2016

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

On this 25th day of May, 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
W. O. McPhee
First Witness Printed Name

On this 25 day of May, 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

318257