

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5547454

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	SHAUN D. MILANO	11/21/2016
	BRYAN CADUGAN	11/22/2016
	MICHAEL C. DOOGUE	11/22/2016
	ALEXANDER LATHAM	11/21/2016
	WILLIAM P. TAYLOR	11/18/2016
	HARIANTO WONG	12/08/2016
	SUNDAR CHETLUR	11/18/2016
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	ALLEGRO MICROSYSTEMS, LLC	
<b>Street Address:</b>	955 PERIMETER ROAD	
<b>City:</b>	MANCHESTER	
<b>State/Country:</b>	NEW HAMPSHIRE	
<b>Postal Code:</b>	03103-3353	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	16421982	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(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>		
<b>Phone:</b>	7814019988	
<b>Email:</b>	mlf@dc-m.com	
<b>Correspondent Name:</b>	DALY, CROWLEY, MOFFORD	
<b>Address Line 1:</b>	ONE UNIVERSITY AVENUE	
<b>Address Line 2:</b>	SUITE 201B	
<b>Address Line 4:</b>	WESTWOOD, MASSACHUSETTS 02090	
<b>ATTORNEY DOCKET NUMBER:</b>	ALLEG-493AUS	
<b>NAME OF SUBMITTER:</b>	KERI E. SICARD	
<b>SIGNATURE:</b>	/Keri E. Sicard/	
<b>DATE SIGNED:</b>	05/30/2019	

PATENT

**Total Attachments: 9**

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## ASSIGNMENT

Whereas we, the undersigned, Shaun D. Milano, Bryan Cadugan, Michael C. Doogue, Alexander Latham, William P. Taylor, Harianto Wong, Sundar Chettur, hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled SYSTEMS AND METHODS FOR INTEGRATED SHIELDING IN A CURRENT SENSOR, identified as Attorney Docket No. ALLEG-493PUS, and Client Case No. A-2388 and A-2457, which application was executed on 11/21/16; 11/22/16; 11/22/16; 11/19/16; 11/19/16; 11/18/16; 11/18/16; and filed on 11/29/2016 and Assigned Application No. 15363285 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, 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 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, 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 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.

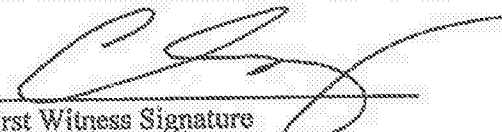
In testimony of which we have each executed this Assignment as an instrument on the date indicated next to our name(s).

Dated: 11/21/2016

  
Shaun D. Milano


On this 21 day of November, 2016, before me appeared

Shaun D. Milano, 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  
Christopher Gray  
First Witness Printed Name

On this 21 day of NOV, 2016, before me appeared

Shaun D. Milano, 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  
KATHERINE W. STAMMESLER  
Second Witness Printed Name

PATENT  
Atty. Dckt. No.: ALLEG-493PUS  
Client Case No.: A-2388

Dated: 11/22/16

[Signature]  
Bryan Cadugan

On this 22 day of November, 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.

[Signature]  
First Witness Signature

PAOLO CAMPICLIO  
First Witness Printed Name

On this 22 day of November, 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.

[Signature]  
Second Witness Signature

Florian Pallien  
Second Witness Printed Name


PATENT  
Atty. Dckt. No.: ALLEG-493PUS  
Client Case No.: A-2388

Dated: NOVEMBER 22, 2016

  
Michael C. Doogue

On this 22 day of NOVEMBER, 2016, 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 or she acknowledged the same to be his or her free act and deed.

  
First Witness Signature

Jason Bourbeau  
First Witness Printed Name

On this 22 day of NOVEMBER, 2016, 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 or she acknowledged the same to be his or her free act and deed.

  
Second Witness Signature

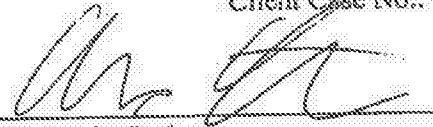
MAXIM KLEBANOV  
Second Witness Printed Name

PATENT

Atty. Dckt. No.: ALLEG-493PUS

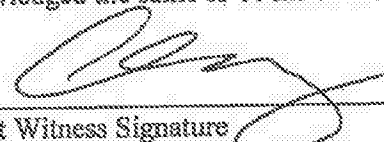
Client Case No.: A-2388

Dated: 11/21/2016

  
Alexander Latham

On this 21 day of November, 2016, before me appeared

Alexander Latham, 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

Christopher Caney  
First Witness Printed Name

On this 21 day of Nov, 2016, before me appeared

Alexander Latham, 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

KATHERINE W CHAMBERLAIN  
Second Witness Printed Name



PATENT  
Atty. Dckt. No.: ALLEG-493PUS  
Client Case No.: A-2388

Dated: 18 November 2016

William P. Taylor  
William P. Taylor

On this 18 day of November, 2016, 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 or she acknowledged the same to be his or her free act and deed.

[Signature]  
First Witness Signature

Karen J Clark  
First Witness Printed Name

On this 18<sup>th</sup> day of NOVEMBER, 2016, 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 or she acknowledged the same to be his or her free act and deed.

[Signature]  
Second Witness Signature

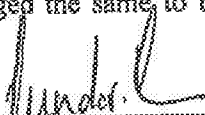
GARY T. PECKA  
Second Witness Printed Name

Dated: 8 DECEMBER 2016

  
\_\_\_\_\_  
Harianto Wong

On this 8<sup>th</sup> day of December, 2016, before me appeared


Harianto Wong, 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

SUNDAR CHETUR  
\_\_\_\_\_  
First Witness Printed Name

On this 8 day of December, 2016, before me appeared

Harianto Wong, 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

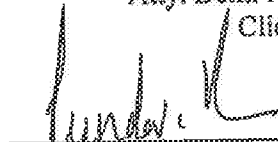
JAMES MCCRAY  
\_\_\_\_\_  
Second Witness Printed Name

PATENT

Atty. Dckt. No.: ALLEG-493PUS

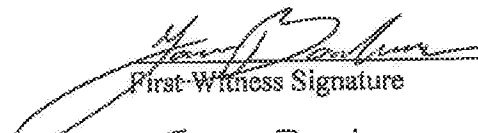
Client Case No.: A-2388

Dated: 11/18/16

  
Sundar Chethur

On this 22 day of November, 2016, before me appeared

Sundar Chethur, 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

Jason Bowdree  
First Witness Printed Name

On this 22 day of November, 2016, before me appeared

Sundar Chethur, 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

MAXIM KLEBANOV  
Second Witness Printed Name

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