PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CRAIG S. PETRIE	03/21/2018
SOO-CHANG CHOE	03/21/2018
CORY VOISINE	03/21/2018

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:	15928689

CORRESPONDENCE DATA

Fax Number: (781)401-9966

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.

Phone: 781-401-9988 **Email:** mlf@dc-m.com

Correspondent Name: DALY, CROWLEY, MOFFORD & DURKEE, LLP

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Address Line 2: 354A TURNPIKE STREET

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ATTORNEY DOCKET NUMBER:	ALLEG-693PUS	
NAME OF SUBMITTER:	JUDITH C. CROWLEY	
SIGNATURE:	/Judith C. Crowley/	
DATE SIGNED:	03/23/2018	

Total Attachments: 5

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PATENT REEL: 045324 FRAME: 0490

ASSIGNMENT

Whereas I/we, Craig S. Petrie, Soo-Chan	g Choe and Cory	Voisine, have ma	ade certain
inventions or discoveries (or both) set forth in an a	pplication for Lette	rs Patent of the Ur	nited States
of America entitled: CURRENT FAULT DETE	CTION SYSTEMS	AND METHOD	S FOR A
CURRENT SENSOR, identified as Attorney Docke	et No. ALLEG-693	PUS, and Client C	ase No. A-
2585, which application was executed on	March 21, 2018		, and filed
on March 22, 2018, and assigned Application No	15/928,689	$\underline{}$. In the ever	nt that the
execution date, filing date, and/or Application No. a	re not entered abov	e at the time this d	ocument is
executed, and if such information is deemed ne	cessary, we hereby	y authorize and re	equest our
attorneys at DALY, CROWLEY, MOFFORD & DUR	KEE, LLP, 354A T	Turnpike Street, St	uite 301A,
Canton, MA 02021-2714, to insert above the execu	ition date, filing da	te, and/or Applicat	tion 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 I/we, Craig S. Petrie, Soo-Chang Choe and Cory Voisine, and hereby acknowledge, I/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 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

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Atty. Dckt. No.: ALLEG-693PUS

Client Case No.: A-2585

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;

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

Atty. Dckt. No.: ALLEG-693PUS

Client Case No.: A-2585

Dated: _	3/21/2018	Craig S. Petrie
Dated		Craig S. Petrie

On this $\frac{21}{Day}$ day of $\frac{Narch}{Month}$, $\frac{208}{Year}$, before me appeared Craig S. Petrie, 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

VIRAG CHAWARE

First Witness Printed Name

On this 2 | day of March, 2018, before me appeared Craig S. Petrie,

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

Vladimir Kravljaca

Second Witness Printed Name

Atty. Dckt. No.: ALLEG-693PUS Client Case No.: A-2585

Dated: $\frac{3/21/2018}{}$	Chalsovdie J Soo-Chang Choe
On this $\frac{2}{D_{ay}}$ day of $\frac{MARCU}{Month}$, $\frac{2OC}{Y_{ear}}$ to me known and known to me to be the person dinstrument, and he or she acknowledged the same	escribed in and who executed the foregoing
On this 21 day of MARCH, 2018 to me known and known to me to be the person dinstrument, and he or she acknowledged the same	escribed in and who executed the foregoing

Atty. Dckt. No.: ALLEG-693PUS Client Case No.: A-2585

Dated: 3/21/2018	Cory Volsine
On this 21 day of Month, 2018 To me known and known to me to be the person descinstrument, and he or she acknowledged the same to	cribed in and who executed the foregoing
	First Witness Signature Vladimic Kravljaca First Witness Printed Name
On this $\frac{21}{D_{ay}}$ day of $\frac{\text{Month}}{\text{Month}}$, $\frac{2018}{\text{Year}}$ to me known and known to me to be the person described.	
instrument, and he or she acknowledged the same to	
	Second Witness Signature VIRHS (HAWARE
	Second Witness Printed Name

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RECORDED: 03/23/2018