# 504825637 03/19/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4872373

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ANDREA FOLETTO	02/01/2018
RÉMY LASSALLE-BALIER	02/01/2018
YANNICK VUILLERMET	02/01/2018
PAUL A. DAVID	03/06/2018
JEFFREY EAGEN	03/06/2018
ALLEGRO MICROSYSTEMS EUROPE LIMITED	02/01/2018
ALLEGRO MICROSYSTEMS FRANCE SAS	02/01/2018
CRIVASENSE TECHNOLOGIES SAS	02/07/2018

## **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:	15883721

#### CORRESPONDENCE DATA

Fax Number:	1)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:	7814019988		
Email:	m@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-592PUS		
NAME OF SUBMITTER:	PAUL D. DURKEE		
SIGNATURE:	/Paul D. Durkee/		

DATE SIGNED:	03/19/2018	
Total Attachments: 10		
source=TO_PTO_ASSIGNMENT#page1.tif		
source=TO_PTO_ASSIGNMENT#page2.tif		
source=TO_PTO_ASSIGNMENT#page3.tif		
source=TO_PTO_ASSIGNMENT#page4.tif		
source=TO_PTO_ASSIGNMENT#page5.tif		
source=TO_PTO_ASSIGNMENT#page6.tif		
source=TO_PTO_ASSIGNMENT#page7.tif		
source=TO_PTO_ASSIGNMENT#page8.tif		
source=TO_PTO_ASSIGNMENT#page9.tif		
source=TO_PTO_ASSIGNMENT#page10.tif		

#### ASSIGNMENT

1.120

Whereas I/we, Andrea Foletto, Rémy Lassalle-Balier, Yannick Vuillermet, Paul A. David and Jeffrey Eagen, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled: MAGNETIC FIELD SENSOR HAVING COMPENSATION FOR MAGNETIC FIELD SENSING ELEMENT PLACEMENT, identified as Attorney Docket No. ALLEG-592PUS, and Client Case No. A-2482, which application was executed on  $\frac{1}{21116}$ ,  $\frac{1}{21118}$ ,  $\frac{3}{1018}$ ,  $\frac{3}{1018}$ , and filed on January 30, 2018 , and assigned Application No.  $\frac{15/883,721}{10018}$ . 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 (herein AMEL), 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 France SAS (herein AMF), a company registered in France and having a place of business at Parc Altaïs, 60 Rue Cassiopée, Batiment B1, 74650 Chavanod, France may have certain rights in the above identified inventions or discoveries;

Whereas CrivaSense Technologies SAS (herein CST), a company registered in France and having a place of business at Lieudit l'Orme des Mersiers, Parc Technologique de Saint Aubin, Batiment Mercury-Bldg. D, 91193 Saint-Aubin, Paris, France, 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 I/we, Andrea Foletto, Rémy Lassalle-Balier, Yannick Vuillermet, Paul A. David and Jeffrey Eagen, and

AMEL, Allegro MicroSystems Europe Limited, by signature of Robert C. Hunt, AMF, Allegro MicroSystems France SAS, by signature of Robert C. Hunt, and CST, CrivaSense Technologies SAS, by signature of Robert C. Hunt,

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 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:

For AMEL, Robert C. Hunt, General Manager of Allegro MicroSystems Europe Limited, is authorized to act on behalf of, and to bind Allegro MicroSystems Europe Limited.

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

For CST, Robert C. Hunt, Legal Representative of CrivaSense Technologies SAS, is authorized to act on behalf of, and to bind Crivasense Technologies.

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

Page 2 of 10

Dated: 1/125/2018

Andréa Foletto

On this  $\int_{Day}^{S_{F}} day$  of  $\frac{february}{Master}$  2019, before me appeared Andrea Foletto, 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 1th day of Kebruary, 618, before me appeared Andrea Foletto,

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

Dated: Elmony 1 2018 Rémy Lassalle-Ball ann

On this  $\frac{1}{M_{\text{bay}}}$  day of  $\frac{1}{M_{\text{bay}}}$ ,  $\frac{2011}{Y_{\text{const}}}$ , before me appeared Rémy Lassalle-Balier, 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 <u>THIEBAUX</u> First Witness Printed Name

On this  $\underbrace{O}_{\text{Day}}$  day of  $\underbrace{P}_{\text{Month}}$ ,  $\underbrace{\mathcal{L}}_{\text{Yest}}$ , before me appeared Rémy Lassalle-Balier, 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

Page 4 of 10

Dated: 2018, feb 1-5

Yannick Vuillermet

On this  $\frac{1}{D_{sy}}^{3F}$  day of  $\frac{1}{February}$ ,  $\frac{2018}{Yes}$ , 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 or she acknowledged the same to be his or her free act and deed.

First Witness Signature

On this  $1^{\text{SF}}$  day of  $\underline{\text{Februs}}_{Month}$ ,  $\underline{\mathcal{C}}|B$ , 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 or she acknowledged the same to be his or her free act and deed.

Second Witness Signature

<u>MESIER</u> LOIC Second Witness Printed Name

Dated: 6 Mar 2015

len

On this <u>G</u> day of <u>Acrel</u>, <u>HENE</u>, before me appeared Paul A. David, 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 William Wilkinson First Witness Printed Name

On this  $\underline{C}_{Dey}$  day of  $\underline{Acrel}_{Vew}$ , before me appeared Paul A. David, 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.

<u>Drug Willun</u> Second Witness Signature <u>Andrew</u> <u>C</u><u>Allard</u>

Second Witness Printed Name

3/6/18 Dated: \_

On this  $\underbrace{\mathcal{G}}_{\text{Day}}^{\mathcal{M}}$  day of  $\underbrace{\mathcal{M}\mathcal{H}\mathcal{H}}_{\text{Month}}$ ,  $\underbrace{2018}_{\text{Year}}$ , before me appeared Jeffrey Eagen,

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 <u>Witliam</u> <u>WitKinSon</u> First Witness Printed Name

On this  $\underline{\mathcal{G}}_{\text{Day}}^{\text{Month}}$  day of  $\underline{\text{Month}}_{\text{Nonth}}$ ,  $\underline{\mathfrak{D}}_{\text{Year}}^{\text{Month}}$  before me appeared Jeffrey Eagen,

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.

andalla

Second Witness Signature Andrew C Allard

Second Witness Printed Name

Page 7 of 10

AMEL

Dated: 1 Feb 2018

MHH. Allegro MicroSystems Burope Limited By: Robert C. Hunt In his capacity as General Manager of Allegro MicroSystems Europe Limited

On this  $\frac{OI}{Day}$  day of  $\frac{Fa}{Fa} \frac{B}{Meash}, \frac{2O/S}{Veat}$ , before me appeared Robert C. Hunt, to me known and known to me to be the person described in and who executed the foregoing

to me known and known to me to be the person described in and who extends the horgen instrument, and he acknowledged the same to be his free act and deed.  $MO \cdot DO$ First Witness Signature  $MAR O \cdot DO UD$ First Witness Printed Name

On this  $15^{+}_{Day}$  day of  $50^{-}_{Month}$ ,  $20^{+}_{Yest}$  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.

Steend Witness Signature Steend Witness Signature STEPMENIE POPMS Second Witness Printed Name

Page 8 of 10

AMF

Dated: 1 Feb 2018

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

On this  $\underbrace{\mathcal{O}I}_{\text{Day}}$  day of  $\underbrace{\text{Feg}}_{\text{Messle}}$ ,  $\underbrace{2\mathcal{O}IS}_{\text{Vest}}$ , 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.

 $\frac{M \partial}{M \partial R} \frac{\partial}{\partial \omega}$ First Witness Signature  $\frac{M \partial R}{\partial \omega} \frac{\partial}{\partial \omega}$ First Witness Printed Name

On this  $15^{+}$  day of  $50^{-}$   $20^{1}$  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.

CACOMS Second Witness Signature STEPHENIE ADAMS

Second Witness Printed Name

Page 9 of 10

Uthe Dated: 7 Feb 2018.

CST

588498

**RECORDED: 03/19/2018** 

CrivaSense Technologies SAS By: Robert C. Hunt In his capacity as Legal Representative of CrivaSense Technologies SAS

On this <u>y</u> day of Feb <u>2018</u> 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.

First Witness Signature

First Witness Printed Name

On this 7 day of 1.1 , 201 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.

Second Witness Signature  $\Delta M \leq 1_1 \rightarrow 1_1 \rightarrow f I$ Second Witness Printed Name

Page 10 of 10