

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6019207

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|------------------------------|----------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------------|----------------|
| NICOLAS RIGONI | 03/09/2020 |
| NICOLÁS RAFAEL BIBERIDIS | 03/13/2020 |
| AHMED HASSAN FAHMY | 02/24/2020 |
| OCTAVIO H. ALPAGO | 03/09/2020 |

RECEIVING PARTY DATA

| | |
|--------------------------|-------------------------------------|
| Name: | ALLEGRO MICROSYSTEMS ARGENTINA S.A. |
| Street Address: | TRONADOR 4890 |
| Internal Address: | 1ST FLOOR |
| City: | BUENOS AIRES |
| State/Country: | ARGENTINA |
| Postal Code: | C1430DNN |
| Name: | ALLEGRO MICROSYSTEMS, LLC |
| Street Address: | 955 PERIMETER ROAD |
| City: | MANCHESTER |
| State/Country: | NEW HAMPSHIRE |
| Postal Code: | 03103-3353 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16821155 |

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: pam@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-822PUS |
| NAME OF SUBMITTER: | KIRIL O. DIMOV |
| SIGNATURE: | /Kiril O. Dimov/ |
| DATE SIGNED: | 03/18/2020 |
| Total Attachments: 7 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 | |

ASSIGNMENT

Whereas I/we, Nicolas Rigoni, Nicolás Rafael Biberidis, Ahmed Hassan Fahmy, Octavio H. Alpagó, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled: NON-VOLATILE MEMORY DATA AND ADDRESS ENCODING FOR SAFETY COVERAGE, identified as Attorney Docket No. ALLEG-822PUS, and Client Case No. A-2720, which application was executed on 3-9-20 3-13-20

2-24-20 3-9-20 and filed on 3-17-20 and assigned Application No. 11,618,215

_____ 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, One University Avenue, Suite 201B, Westwood, MA 02090, to insert above the execution date, filing date, and/or Application No. of said application.

Whereas Allegro MicroSystems Argentina S.A. (herein AMA), a company registered in Argentina and having a place of business at Tronador 4890, 1st Floor, Buenos Aires, C1430DNN, Argentina, 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 955 Perimeter Road, Manchester, New Hampshire 03103-3353, 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, Nicolas Rigoni, Nicolás Rafael Biberidis, Ahmed Hassan Fahmy, Octavio H. Alpagó, and

Allegro MicroSystems Argentina S.A., by signature of Robert A. Fortin,

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:

Robert A. Fortin, Vice President of Allegro MicroSystems Argentina S.A., is authorized to act on behalf of, and to bind Allegro MicroSystems Argentina S.A.

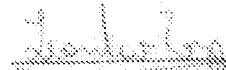
In testimony of which I/we have each executed this Assignment on the date indicated next to our name(s).

Dated: 3/9/2020



Nicolas Rigoni

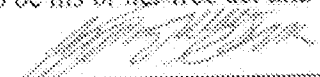
On this 9 day of 3, 2020, before me appeared Nicolas Rigoni,
to me known and known to me to be the person described in and who executed the foregoing
instrument, and he or she acknowledged the same to be his or her free act and deed.



First Witness Signature,
Leandro Tom

First Witness Printed Name

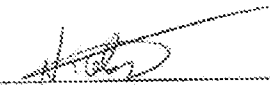
On this 9 day of 3, 2020, before me appeared Nicolas Rigoni,
to me known and known to me to be the person described in and who executed the foregoing
instrument, and he or she acknowledged the same to be his or her free act and deed.



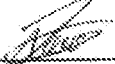
Second Witness Signature
LEONARDO CASSELLA YACCHINI

Second Witness Printed Name

Dated: 03/13/2020

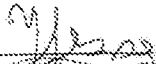

Nicolás Rafael Biberidis

On this 13 day of 03, 2020, before me appeared Nicolás Rafael Biberidis,
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

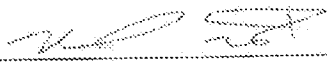
Xavier Redondo-Navarro
First Witness Printed Name

On this 13 day of 03, 2020, before me appeared Nicolás Rafael Biberidis,
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.

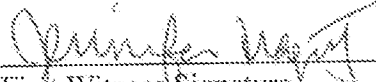

Second Witness Signature

Ignacio Lesser
Second Witness Printed Name

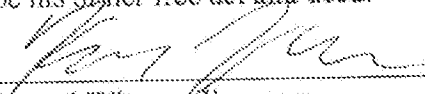
Dated: 2/24/2020


Ahmed Hassan Fahmy

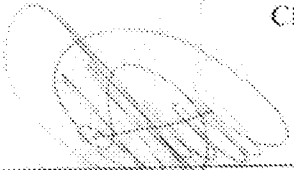
On this 24 day of February, 2020, before me appeared Ahmed Hassan Fahmy,
to me known and known to me to be the person described in and who executed the foregoing
instrument, and he or she acknowledged the same to be his or her free act and deed.


First Witness Signature
Jennifer Hagan
First Witness Printed Name


On this 24 day of February, 2020, before me appeared Ahmed Hassan Fahmy,
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
Karen J. Clark
Second Witness Printed Name

Dated: 9/3/2020

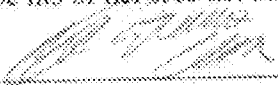

Octavio H. Alpago

On this 9 day of 3, 2020, before me appeared Octavio H. Alpago,
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

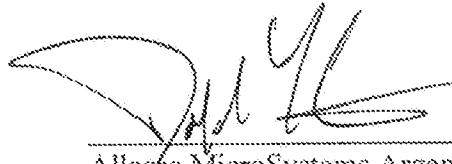
LEONARDO TOLZ
First Witness Printed Name

On this 9 day of 3, 2020, before me appeared Octavio H. Alpago,
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

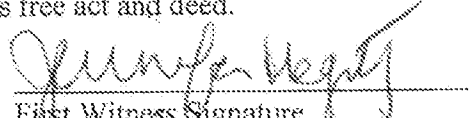
LEONARDO CHIELLA VECCHI
Second Witness Printed Name

Dated: 25 February 2020

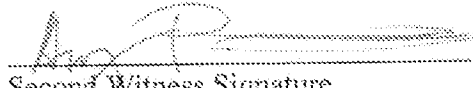


Allegro MicroSystems Argentina S.A.
By: Robert A. Fortin
In his capacity as Vice President of Allegro
MicroSystems Argentina S.A.

On this 25 day of February, 2020 before me appeared Robert A. Fortin,
Day Month Year
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
Jennifer Hagerty
First Witness Printed Name

On this 25 day of February, 2020 before me appeared Robert A. Fortin,
Day Month Year
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
Amy Peterson
Second Witness Printed Name

788999