

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4837866

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ANDREAS P. FRIEDRICH	01/31/2018
ANDREA FOLETTO	01/31/2018
NICOLAS YOAKIM	02/06/2018
ALLEGRO MICROSYSTEMS EUROPE LIMITED	02/22/2018
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:	15892843
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:	mmc@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-341PUS
NAME OF SUBMITTER:	KERMIT ROBINSON
SIGNATURE:	/Kermit Robinson/
DATE SIGNED:	02/23/2018
Total Attachments: 18	
source=TO_PTO_ASSIGNMENT_ALLEG_A341PUS#page1.tif	
source=TO_PTO_ASSIGNMENT_ALLEG_A341PUS#page2.tif	

source=TO_PTO_ASSIGNMENT_ALLEG_A341PUS#page3.tif
source=TO_PTO_ASSIGNMENT_ALLEG_A341PUS#page4.tif
source=TO_PTO_ASSIGNMENT_ALLEG_A341PUS#page5.tif
source=TO_PTO_ASSIGNMENT_ALLEG_A341PUS#page6.tif
source=TO_PTO_ASSIGNMENT_ALLEG_A341PUS#page7.tif
source=TO_PTO_ASSIGNMENT_ALLEG_A341PUS#page8.tif
source=TO_PTO_ASSIGNMENT_ALLEG_A341PUS#page9.tif
source=TO_PTO_ASSIGNMENT_ALLEG_A341PUS#page10.tif
source=TO_PTO_ASSIGNMENT_ALLEG_A341PUS#page11.tif
source=TO_PTO_ASSIGNMENT_ALLEG_A341PUS#page12.tif
source=TO_PTO_ASSIGNMENT_ALLEG_A341PUS#page13.tif
source=TO_PTO_ASSIGNMENT_ALLEG_A341PUS#page14.tif
source=TO_PTO_ASSIGNMENT_ALLEG_A341PUS#page15.tif
source=TO_PTO_ASSIGNMENT_ALLEG_A341PUS#page16.tif
source=TO_PTO_ASSIGNMENT_ALLEG_A341PUS#page17.tif
source=TO_PTO_ASSIGNMENT_ALLEG_A341PUS#page18.tif

ASSIGNMENT

Whereas I/We, Andreas P. Friedrich, Andrea Foletto and Nicolas Yoakim, 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 AT LEAST TWO CVH ELEMENTS AND METHOD OF OPERATING SAME, identified as Attorney Docket No. ALLEG-341PUS, and Client Case No. A-2234, which application was executed on 1/31/18; 1/31/18; 2/6/18, and filed on 2/9/2018, and assigned Application No. 15/792,843. 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, 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, Andreas P. Friedrich, Andrea Foletto and Nicolas Yoakim, and

AMEL, Allegro MicroSystems Europe Limited, 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.

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

#

Dated: 31 January 2018

A. F. A.
Andreas P. Friedrich

On this 31 day of January, 2018, before me appeared Andreas P. Friedrich,
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
Philippe Dossertu
First Witness Printed Name

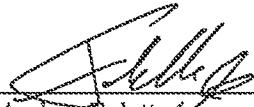
On this 31 day of January, 2018, before me appeared Andreas P. Friedrich,
to me known and known to me to be the person described in and who executed the foregoing
instrument, and he or she acknowledged the same to be his or her free act and deed.

[Signature]
Second Witness Signature
Allet Cedric
Second Witness Printed Name

PATENT
Atty. Dckt. No.: ALLEG-341PUS
Client Case No.: A-2234

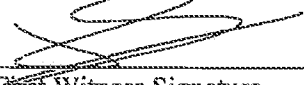
#

Dated: 31 / January / 2018



Andrea Foletto

On this 31 day of January, 2018, 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.

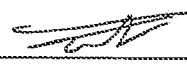


First Witness Signature

Philippe Dosketo

First Witness Printed Name

On this 31 day of January, 2018, 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

GILLET Cedric

Second Witness Printed Name

PATENT
Atty. Dckt. No.: ALLEG-341PUS
Client Case No.: A-2234

#

Dated: _____

Nicolas Yoakim

On this _____ day of _____, _____, before me appeared Nicolas Yoakim,
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 Nicolas Yoakim,
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

PATENT
Atty. Dckt. No.: ALLEG-341PUS
Client Case No.: A-2234

AMEL

Dated: _____

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

On this _____ day of _____, _____, before me appeared Robert C. Hunt,
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

First Witness Printed Name

On this _____ day of _____, _____, before me appeared Robert C. Hunt,
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

Second Witness Printed Name

626556.docx

ASSIGNMENT

Whereas I/We, Andreas P. Friedrich, Andrea Foletto and Nicolas Yoakim, 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 AT LEAST TWO CVH ELEMENTS AND METHOD OF OPERATING SAME, identified as Attorney Docket No. ALLEG-341PUS, and Client Case No. A-2234, which application was executed on 11/21/18; 11/31/18; 2/6/18, and filed on 2/9/2018, and assigned Application No. 15/893,843.

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, 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, Andreas P. Friedrich, Andrea Foletto and Nicolas Yoakim, and

AMEL, Allegro MicroSystems Europe Limited, 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.

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

PATENT
Arty. Dekt. No.: ALLEG-341PUS
Client Case No.: A-2234

#

Dated:

.....
Andreas P. Friedrich

On this _____ day of _____, _____, before me appeared Andreas P. Friedrich,
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 Andreas P. Friedrich,
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

PATENT
Atty. Dckt. No.: ALLEG-341PUS
Client Case No.: A-2234

#

Dated: _____
Andrea Foletto

On this _____ day of _____, _____, before me appeared Andrea Foletto,
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 Andrea Foletto,
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.

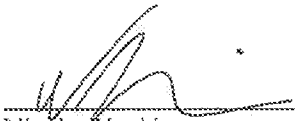
Second Witness Signature

Second Witness Printed Name

PATENT
Atty. Dckt. No.: ALLEG-341PUS
Client Case No.: A-2234

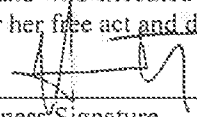
#

Dated: February 26th, 2018



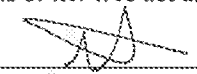
Nicolas Yoakim

On this 7 day of 2, 18, before me appeared Nicolas Yoakim,
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
ANTOINETTE HASTOY
First Witness Printed Name

On this 7 day of 2, 18, before me appeared Nicolas Yoakim,
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
Alice THOMAS
Second Witness Printed Name

PATENT
Atty. Dckt. No.: ALLEG-341PUS
Client Case No.: A-2234

AMEL

Dated: _____

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

On this _____ day of _____, _____, before me appeared Robert C. Hunt,
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

First Witness Printed Name

On this _____ day of _____, _____, before me appeared Robert C. Hunt,
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

Second Witness Printed Name

626556.docx

ASSIGNMENT

Whereas I/We, Andreas P. Friedrich, Andrea Foletto and Nicolas Yoakim, 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 AT LEAST TWO CVH ELEMENTS AND METHOD OF OPERATING SAME, identified as Attorney Docket No. ALLEG-341PUS, and Client Case No. A-2234, which application was executed on 1/31/18; 1/31/18; 2/6/18, and filed on 2/9/2019, and assigned Application No. 15/892,843

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, 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, Andreas P. Friedrich, Andrea Foletto and Nicolas Yoakim, and

AMEL, Allegro MicroSystems Europe Limited, 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.

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

PATENT
Atty. Dckt. No.: ALLEG-341PUS
Client Case No.: A-2234

Dated: _____

Andreas P. Friedrich

On this _____ day of _____, _____, before me appeared Andreas P. Friedrich,
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 Andreas P. Friedrich,
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

PATENT
Atty. Decl. No.: ALLEG-341PUS
Client Case No.: A-2234

Dated: _____
Andrea Foletto

On this _____ day of _____, _____, before me appeared Andrea Foletto,
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 Andrea Foletto,
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

PATENT
Atty. Dckt. No.: ALLEG-341PUS
Client Case No.: A-2234

Dated: _____

Nicolas Yoakim

On this _____ day of _____, _____, before me appeared Nicolas Yoakim,
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 Nicolas Yoakim,
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

AMEL

Dated: 22/2/18.

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

On this 22 day of February, 2018, 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.

[Signature]
First Witness Signature

[Printed Name]
First Witness Printed Name

On this 22 day of February, 2018, 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.

[Signature]
Second Witness Signature

SUZANNE FRANKLIN
Second Witness Printed Name

026556.docx