

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Andreas P. Friedrich</td><td>06/20/2007</td></tr><tr><td>Andrea Foletto</td><td>06/20/2007</td></tr><tr><td>P. Karl Scheller</td><td>06/19/2007</td></tr><tr><td>Paul David</td><td>06/18/2007</td></tr></tbody></table>	Name	Execution Date	Andreas P. Friedrich	06/20/2007	Andrea Foletto	06/20/2007	P. Karl Scheller	06/19/2007	Paul David	06/18/2007	
Name	Execution Date										
Andreas P. Friedrich	06/20/2007										
Andrea Foletto	06/20/2007										
P. Karl Scheller	06/19/2007										
Paul David	06/18/2007										
RECEIVING PARTY DATA											
Name:	Allegro Microsystems, Inc.										
Street Address:	115 Northeast Cutoff										
City:	Worcester										
State/Country:	MASSACHUSETTS										
Postal Code:	01615-0036										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11777406</td></tr></tbody></table>	Property Type	Number	Application Number:	11777406							
Property Type	Number										
Application Number:	11777406										
CORRESPONDENCE DATA											
Fax Number:	(781)401-9966										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	7814019988										
Email:	mhw@dc-m.com										
Correspondent Name:	Daly, Crowley, Mofford & Durkee, LLP										
Address Line 1:	354A Turnpike Street, Suite 301A										
Address Line 4:	Canton, MASSACHUSETTS 02021-2714										
ATTORNEY DOCKET NUMBER:	ALLEG-226PUS										
NAME OF SUBMITTER:	Kermit Robinson										
Total Attachments: 12											
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ASSIGNMENT

Whereas we, the undersigned, Andreas P. Friedrich, Andrea Foletto, P. Karl Scheller, and Paul David hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled INTEGRATED CIRCUIT HAVING BUILT-IN SELF-TEST FEATURES, identified as Attorney Docket No. ALLEG-222PUS, and Client Case No. A-2114, which application was executed on June 20, 2007 June 20 2007, June 19 2007, June 18, 2007 and filed on July 13 2007, and Assigned Application No. 11/777,406. 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, Inc, a Delaware Corporation having a place of business at , 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, 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 on the date indicated next to each of our respective names.

Dated: June 20, 2007

A. Friedrich
Andreas P. Friedrich


On this 20th day of June, 2007, 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 acknowledged the same to be his free act and deed.

M. Regan
First Witness Signature
MARY REGAN
First Witness Printed Name


On this 20 day of JUNE, 2007, 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 acknowledged the same to be his free act and deed.

M. Marchi
Second Witness Signature
M. MARCHI
Second Witness Printed Name

Dated: June 20 2007


Andrea Foletto

On this 20th day of June, 2007, 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 acknowledged the same to be his free act and deed.


First Witness Signature

MARY REGAN
First Witness Printed Name

On this 20 day of JUNE, 2007, 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 acknowledged the same to be his free act and deed.


Second Witness Signature

M. MARCHI
Second Witness Printed Name

PATENT
Atty. Dckt. No.: ALLEG-222PUS
Client Case No.: A-2114

Dated: _____

P. Karl Scheller

On this _____ day of _____, 2007, before me appeared P. Karl Scheller, 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 _____, 2007, before me appeared P. Karl Scheller, 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

PATENT
Atty. Dckt. No.: ALLEG-222PUS
Client Case No.: A-2114

Dated: _____

Paul David

On this _____ day of _____, 2007, before me appeared Paul David, 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 _____, 2007, before me appeared Paul David, 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

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A S S I G N M E N T

Whereas we, the undersigned, Andreas P. Friedrich, Andrea Foletto, P. Karl Scheller, and Paul David hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled INTEGRATED CIRCUIT HAVING BUILT-IN SELF-TEST FEATURES, identified as Attorney Docket No. ALLEG-222PUS, and Client Case No. A-2114, which application was executed on June 20, 2007, June 20, 2007, June 19, 2007, June 18, 2007, and filed on July 19, 2007, and Assigned Application No. 11/777,406. 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, Inc, a Delaware Corporation having a place of business at , 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, 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;

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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 on the date indicated next to each of our respective names.

Dated: _____

Andreas P. Friedrich

On this _____ day of _____, 2007, 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 acknowledged the same to be his free act and deed.

First Witness Signature

First Witness Printed Name

On this _____ day of _____, 2007, 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 acknowledged the same to be his free act and deed.

Second Witness Signature

Second Witness Printed Name

Dated: _____

Andrea Foletto

On this ____ day of _____, 2007, 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 acknowledged the same to be his free act and deed.

First Witness Signature

First Witness Printed Name

On this ____ day of _____, 2007, 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 acknowledged the same to be his free act and deed.

Second Witness Signature

Second Witness Printed Name

Dated: June 19, 2007

P. Karl Scheller
P. Karl Scheller

On this 19 day of JUNE, 2007, before me appeared P. Karl Scheller, 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

SCOTT DENIS
First Witness Printed Name

On this 19 day of June, 2007, before me appeared P. Karl Scheller, 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.

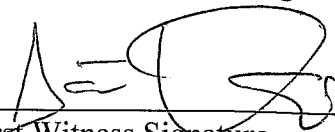
[Signature]
Second Witness Signature

Brian Lovelley
Second Witness Printed Name

Dated: 6/18/07



Paul David

On this 18 day of JUNE, 2007, before me appeared Paul David, 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

SCOTT DENIS
First Witness Printed Name

On this 18 day of June, 2007, before me appeared Paul David, 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

Brian LaValley
Second Witness Printed Name

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