

02-18-2005

Atty Dkt No.: ALLEG-155PUS

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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): William P. Taylor Richard Dickinson Michael C. Doogue Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies) Name: Allegro Microsystems, Inc. Internal Address: Street Address: 115 Northeast Cutoff City: Worcester State: MA Zip: 01815-003 Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other Execution Date: 1/28/2005, 1/28/2005, 1/28/2005

4. Application number(s) or patent number(s): 12/8/2004, 1/28/2005, 1/28/2005 If this document is being filed together with a new application, the execution date of the application is: 1/28/2005 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Daly, Crowley, Mofford & Durkee, LLP Internal Address: Street Address: 275 Tumpike Street, Suite 101 City: Canton State: MA Zip: 02021-2310

6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41): \$40.00 Enclosed Authorized to be charged to deposit account 8. Deposit account number: 01-0854 (Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Judith C. Crowley 35,091 Name of Person Signing Signature Date 4 Feb 2005

Total number of pages including cover sheet, attachments, and documents: 4

All documents to be recorded with required cover sheet information to: Mail Assignment Recordation Services, Director of the U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450

2-11-05

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ASSIGNMENT

Whereas we, the undersigned, William P. Taylor, Richard Dickinson and Michael C. Doogue, hereby have made certain inventions or discoveries (or both) set forth in a patent application of the United States of America entitled INTEGRATED SENSOR HAVING A MAGNETIC FLUX CONCENTRATOR, identified as Attorney Docket No. ALLEG-155PUS and Client Case No. A-2045 which application was filed on February 4, 2005 and Assigned Application No. _____ . In the event that the 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, LLP, 275 Turnpike Street, Suite 101, Canton, MA 02021-2310, to insert above the filing date and/or Application No. of said application.

Whereas, ALLEGRO MICROSYSTEMS, INC., a Delaware corporation having a place of business at 115 Northeast Cutoff, Worcester, Massachusetts 01615-0036, 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 United States patent application, any and all other patent applications on said inventions and discoveries in whatsoever countries, including all utility, divisional, renewal, substitute, continuation, reissue and Convention applications based in whole or in part upon said inventions or discoveries, said United States patent application 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;

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 transfer said United States application or to issue or transfer any Letters Patent to Assignee based in whole or in part upon said United States application, 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: 28 January 2005

William P. Taylor
William P. Taylor

On this 28th day of January, ^{2005 JMT}~~2004~~, before me appeared William P. Taylor, 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.

JMT
First Witness

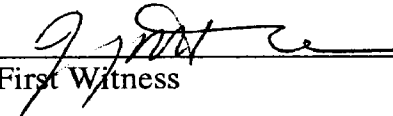
On this 28th day of January, ^{SMB}~~2004~~ ²⁰⁰⁵, before me appeared William P. Taylor, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

J. B.
Second Witness

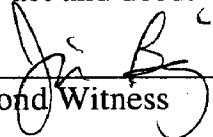
Dated: 1-28-2005


Richard Dickinson

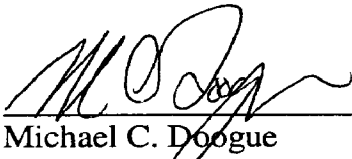
On this 29 day of January, ^{2005 JMT}~~2004~~, before me appeared Richard Dickinson, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.


JMB
First Witness

On this 28th day of January, ²⁰⁰⁵~~2004~~, before me appeared Richard Dickinson, 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

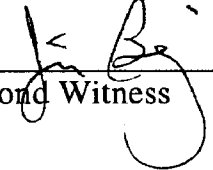
Dated: 28TH OF JANUARY, 2005


Michael C. Doogue

On this 28 day of JANUARY, ^{2005 JMT}~~2004~~, before me appeared Michael C. Doogue, 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.


JMB
First Witness

On this 28 day of JANUARY, ²⁰⁰⁵~~2004~~, before me appeared Michael C. Doogue, 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

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