07-11-2005



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

Atty Dkt No.: ALLEG-180PUS

2005

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

1. Name of conveying party(ies): 2005.0 Shashank S. Wekhande Additional name(s) of conveying party(ies) attached? 🖵 Yes 🌠 No 3. Nature of conveyance: ■ Merger Assignment Security Agreement ☐ Change of Name Other

2. Name and a	ddress of	receiving	party(ie	s)	0
Name:	Alleg	ro Microsy	/stems,	Inc.	700
Internal Add	ress:				U.S. 7178
					7.3
					<u> </u>
Street Addre	ss: <u>115</u>	Northeast	Cutoff		
City: Wo	rcester	State:	 МА		15-003

4. Application number(s) or patent number(s):	June 30.
If this document is being filed together with a new appli	
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:	6. Total number of applications and patents involved			
Name: Daly, Crowley, Mofford & Durkee, LLP	7. Total fee (37 CFR 3.41)\$\frac{40.00}{}			
Internal Address:	Enclosed			
internal Address.	☐ Authorized to be charged to deposit account			

6. Tota	al number of applications and patents involved: 1
7. Tot	al fee (37 CFR 3.41)\$40.00
	Enclosed

HDESTA1	00000021 1	1171789		
Street	Address: <u>35</u>	40.00 4A Turnpi		et, Suite 301A
City:	Canton	State:	МД	Zin: 02021-2714

June 30, 2005

8. Deposit account number:	
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(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

Form **PTO-1595**

Execution Date:

07/06/200 04 FC:802 OMB No. 0651-0027 (exp. 6/30/2005)

(Rev. 10/02)

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.

Paul D. Durkee

41,003 Name of Person Signing

Total number of pages including cover sheet, attachments, and documents.

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

@F/30/2005 10:20

PATENT

ASSIGNMENT

Whereas I, the undersigned, Shashank S. Wekhande, hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled METHODS AND APPARATUS FOR DETECTING FAILURE OF AN ISOLATION DEVICE, identified as Attorney Docket No. ALLEG-180PUS and Client Case No. A-2069 which application was executed on 30 June 2005 and filed on Hercwith and Assigned . In the event that the execution date, filing date and/or Application No. Application No. are not entered above at the time I executed this document, and if such information is deemed necessary, I hereby authorize and request my attorneys at DALY, CROWLEY, MOFFORD & DURKEE, LLP, 354A Turnpike Street, Suite 301A, Canton, MA 02021-2714, 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 me/us, receipt and sufficiency of which I/we hereby acknowledge, I/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:
- 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;
- 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;

6036415336

PATENT

Attorney Docket No.: ALLEG-180PUS

Client Ref. No.: A-2069

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 I have executed this Assignment on the date indicated next to my name.

Dated: _	6/30/05		msdra me		
			Shashank S. Wekhande		
	7/1				

On this 30 day of 500, 2005, before me appeared Shashank S. Wekhande, 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

Sihua Wen

First Witness Printed Name

On this <u>30</u> day of <u>4000</u>, 2005, before me appeared Shashank S. Wekhande, 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