## 503205952 03/05/2015

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3252567

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
GREGORY SZCZESZYNSKI	11/07/2008
BASSEM ALNAHAS	11/07/2008
VIJAY MANGTANI	11/07/2008

## **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:	14638257

## **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.

Correspondent Name: DALY, CROWLEY, MOFFORD & DURKEE, LLP

Address Line 1: 354A TURNPIKE STREET

Address Line 2: SUITE 301A

Address Line 4: CANTON, MASSACHUSETTS 02021

ATTORNEY DOCKET NUMBER:	ALLEG-252DUS
NAME OF SUBMITTER:	KERMIT ROBINSON
SIGNATURE:	/Kermit Robinson/
DATE SIGNED:	03/05/2015

#### **Total Attachments: 5**

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> PATENT REEL: 035093 FRAME: 0946

#### ASSIGNMENT

Whereas we, the undersigned, Gregory Szczeszynski, Bassem AlNahas and Vijay Mangtani hereby have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled ELECTRONIC CIRCUITS FOR DRIVING SERIES CONNECTED LIGHT EMITTING DICIDE STRINGS, identified as Attorney Docket No. ALLEG-252AUS, and Client Case No. A-2145, which application was executed on November 7, 2008, November 7, 2008, and November 7, 2008, and filed on November 10, 2008 and Assigned Application No. 12/267,645. 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 & DURKER, LLP, 354A Tumpike 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 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 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, reexamination 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;
- 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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PATENT Atty. Dckt. No.: ALLEG-252AUS

Client Case No.: A-2145

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 sail 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.

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Atty, Dekt. No.: ALLEG-252AUS

Client Case No.: A-2145

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

Oregory Szczeszynski Dated: 11-7-2

On this  $7^{\frac{10}{10}}$  day of Nov, 2008, before me appeared Gregory Szczeszynski, 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.

Pirst Witness Signature

Mrc4sc/ Teagus Pirst Witness Printed Name

On this  $7^{th}$  day of 400, 2008, before me appeared Gregory Szczeszynski, 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 doed.

Hong Hene Wess
Second Witness Signature

Hong-fang Wang
Second Witness Printed Name

PATENT Atty. Dekt. No.: ALLEG-252AUS Client Case No.: A-2145

Dated: 11-7-08	Bassem Alinahas
mown and known to me to be the person dos astrument, and he acknowledged the same to be hi	before me appeared Bassom AlNahas, to me scribed in and who executed the foregoing a free act and deed.    Make   Make
	Michael Teague. First Witness Printed Name
On this <u>7</u> day of <u>Nov.</u> , 2008, mown and known to me to be the person des estrument, and he acknowledged the same to be his	before me appeared Bassem AlNahas, to me wribed in and who executed the foregoing s free act and deed.
	Une Jone Wong Second Witness Signature
	Hong fang Wang Second Witness Printed Name

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Attv. Dokt. No	.: ALLEG-252AUS
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Client Case No.: A-2145

Dated:	11/7/08	Vijay Mangtani
	and known to me to be the person denent, and he acknowledged the same to be h	I, before me appeared Vijay Mangtani, to me scribed in and who executed the foregoing is free act and deed.    It is to be the foregoing is free act and deed.   First Witness Signature   It is to be the foregoing in the foregoing is free act and deed.
		Michael Teagne  Pirst Witness Printed Natrie
known	On this <u>7</u> <sup>m</sup> day of <u>Vou</u> , 2008 and known to me to be the person de tent, and he acknowledged the same to be h	i, before me appeared Vijay Mangtani, to me scribed in and who executed the foregoing is free act and deed.
		Hogy for Wary Second Witness Signsture
		Hong-fong World Second Witness Printed Name

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