

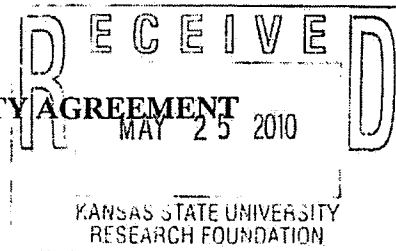
## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3587687

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JAMES H. EDGAR	05/20/2010
YI ZHANG	05/20/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	KANSAS STATE UNIVERSITY RESEARCH FOUNDATION
<b>Street Address:</b>	2005 RESEARCH PARK CIRCLE
<b>Internal Address:</b>	SUITE 105
<b>City:</b>	MANHATTAN
<b>State/Country:</b>	KANSAS
<b>Postal Code:</b>	66502-5020
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	8823014
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(816)292-2001
<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>	
<b>Phone:</b>	(816) 292-2000
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<b>Correspondent Name:</b>	LATHROP & GAGE LLP
<b>Address Line 1:</b>	2345 GRAND BOULEVARD
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<b>Address Line 4:</b>	KANSAS CITY, KANSAS 64108
<b>ATTORNEY DOCKET NUMBER:</b>	506629
<b>NAME OF SUBMITTER:</b>	MARSHALL S. HONEYMAN
<b>SIGNATURE:</b>	/Marshall S. Honeyman/
<b>DATE SIGNED:</b>	10/27/2015
<b>Total Attachments: 3</b>	
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**INTELLECTUAL PROPERTY ASSIGNMENT & ROYALTY AGREEMENT**



Assignment made by the creators of subject intellectual property entitled:

**APPLICATIONS OF OFF-AXIS SILICON CARBIDE SUBSTRATES TO ELIMINATE  
DEFECTS IN EPITAXIAL FILMS  
(Disc. No. 10-04)**

to Kansas State University Research Foundation, a nonprofit corporation organized under the laws of the State of Kansas, located at 2005 Research Park Circle, Suite 105, Manhattan, Riley County, Kansas 66502-5020, herein referred to as the RESEARCH FOUNDATION.

Creators of subject intellectual property at Kansas State University include, but are not necessarily limited to, inventors of patentable and non-patentable materials and authors of other creative works.

RECITALS

- A. The creators are or have been associated with Kansas State University, and the subject intellectual property originated from University time, facilities, interaction, or other involvement.
- B. This assignment is in accordance with the Kansas Board of Regents Intellectual Property Policy, approved November 19, 1998.
- C. The creators have produced new and useful information as set forth in the Disclosure Statement of April 6, 2010.
- D. The RESEARCH FOUNDATION desires to acquire the right to make, use, and sell the subject intellectual property and to acquire all right, title, and interest in letters patent of the United States and foreign countries and/or other forms of legal protection, such as copyrights and trademarks, that may be granted thereon.

In consideration of the mutual benefits to be derived hereunder, the parties agree as follows:

- 1. Assignment. The creators assign to the RESEARCH FOUNDATION the right to make, the right to sell the subject intellectual property, and in any improvements on the subject intellectual property heretofore or hereafter made or acquired by the creators; all right, title, and interest in any patents on the subject invention and its improvements that may be granted in the United States or any foreign country, in any applications for such patent, in each reissue or extension of the patent, and in any other form of legal protection, such as copyrights and trademarks, that may be granted thereon.
- 2. Cooperation. The creators agree to cooperate with the RESEARCH FOUNDATION such that the RESEARCH FOUNDATION may enjoy to the fullest extent the rights conveyed hereunder. Included with the scope of this duty is cooperation in such proceedings, involving the United States and foreign applications and patents, copyrights, and trademarks, as opposition, cancellation proceedings, priority contests, public use proceedings, court actions, and the like. The creators also agree to provide and/or include such know-how as may be necessary for effective commercialization by a licensee.

April 18, 2008

**Intellectual Property Assignment & Royalty Agreement**  
**Page 2**

3. Revenue. When any revenue is obtained by or on behalf of the institution from the development or assignment of any patent or from royalties, license fees or other charges based on any patent or copyrightable software, twenty-five (25) percent of the revenues shall be paid to the inventor(s) or creator(s) and ten (10) percent of the revenues shall be paid to the inventors(s)' or creator(s)' department/administrative unit after the institution has recouped any direct costs borne by the institution for equipment and materials and costs paid to third parties.

The appropriate share is as indicated:

CREATOR/CONTRIBUTOR	SHARE
<u>James H. Edgar</u>	<u>12.5%</u>
<u>Yi Zhang</u>	<u>12.5%</u>
Total Creator/Contributor Share:	25%
DEPARTMENT/ADMINISTRATIVE UNIT	SHARE
<u>Chemical Engineering</u>	<u>                    </u>
Total Department/Administrative Unit Share:	10%

4. Parties. The terms and provisions of this assignment shall inure to the benefit of the RESEARCH FOUNDATION, its successors, assignees, and/or other legal representatives; and shall be binding on the creators, their heirs, legal representatives, and assignees.
5. Warranty. The creators warrant and represent that they have not entered into any assignment, contract, or understanding in conflict herewith.

April 18, 2008

Intellectual Property Assignment & Royalty Agreement  
Page 3

In witness whereof, the creators have executed this assignment on the date shown as follows:

James H. Edgar  
Creator, James Edgar

May 20, 2010  
Date

Subscribed and sworn to before me this 20 day of May, 2010.

County of Riley  
State of Kansas ) ss.

NOTARY PUBLIC - State of Kansas  
STEPHANIE M. FOX  
My Appt. Expires 10/24/10

Stephanie Fox  
Notary Public

My commission expires: 10/24/10  
Zhang Yi  
Creator, Yi Zhang

NOTARY PUBLIC - State of Kansas  
STEPHANIE M. FOX  
My Appt. Expires 10/24/10

May 20, 2010  
Date

Subscribed and sworn to before me this 20 day of May, 2010.

County of Riley  
State of Kansas ) ss.

Stephanie Fox  
Notary Public

My commission expires: 10/24/10

APPROVED AT KANSAS STATE UNIVERSITY BY:

James H. Edgar  
Department Head

May 20, 2010  
Date

[Signature]  
Dean

5-20-2010  
Date

[Signature]  
R.W. Trewyn, Vice President for Research

05/25/10  
Date

April 18, 2008