

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3441139

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ROBERT T. BONDOKOV	07/21/2011
SHAILAJA P. RAO	07/21/2011
SHAWN ROBERT GIBB	07/21/2011
LEO J. SCHOWALTER	07/21/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CRYSTAL IS, INC.
<b>Street Address:</b>	70 COHOES AVENUE
<b>City:</b>	GREEN ISLAND
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	12183
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14684754
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)739-3001
<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>	202.739.3000
<b>Email:</b>	susan.lanney@morganlewis.com
<b>Correspondent Name:</b>	MORGAN, LEWIS & BOCKIUS LLP
<b>Address Line 1:</b>	1111 PENNSYLVANIA AVENUE, N.W.
<b>Address Line 4:</b>	WASHINGTON, D.C. 20004
<b>ATTORNEY DOCKET NUMBER:</b>	CIS-010CP
<b>NAME OF SUBMITTER:</b>	SUSAN LANNEY
<b>SIGNATURE:</b>	/Susan Lanney/
<b>DATE SIGNED:</b>	07/16/2015
<b>Total Attachments: 5</b>	
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**PATENT APPLICATION**

**Assignment**

For good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned, co-inventors:

**ROBERT T. BONDOKOV, SHAILAJA P. RAO,  
SHAWN ROBERT GIBB and LEO J. SCHOWALTER**

Who have created a certain invention for which an application for United States Letters Patent entitled **GROWTH OF LARGE ALUMINUM NITRIDE SINGLE CRYSTALS WITH THERMAL-GRADIENT CONTROL**, was filed at the U.S. Patent and Trademark Office on June 30, 2011 and assigned U.S. Patent Application Serial No. 13/173,213.

Do hereby sell, assign and transfer to **Crystal IS, Inc.**, a corporation, having a place of business at 70 Cohoes Avenue, Green Island, NY 12183, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possession and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, act, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that **Crystal IS, Inc.**, hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same has herein expressed is possessed by the undersigned.

IN THE TESTIMONY WHEREOF we have herunto set our signatures on the date indicated below.



ROBERT T. BONDOKOV

Date:

July 21<sup>st</sup> 2011

United States of America

State of

New York } ss: }

County of

Albany

On this

21<sup>st</sup>

day of

July

2011

, before me

personally came

ROBERT T. BONDOKOV

, to me known to be the individual

described in and who executed the foregoing instrument, and acknowledged execution of the same.

*John Jay Furman, Notary Public*

*State of New York Certified to Herkimer County*

*Commission Expires December 31, 2013*

*Registration # 01079103104*

  
Notary Public

*Shailaja P. Rao*

SHAILAJA P. RAO

Date:

July 21<sup>st</sup> 2011

United States of America

State of

New York

) ss.:

County of

Albany

On this

21<sup>st</sup>

day of

July

2011

, before me

personally came

SHAILAJA P. RAO

, to me known to be the individual

described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

*[Signature]*  
Notary Public

*Erna Jay Furcolo, Notary Public*  
State of New York Qualified in Rensselaer County  
Commission Expires December 28, 2013  
Registration # 018A8190184

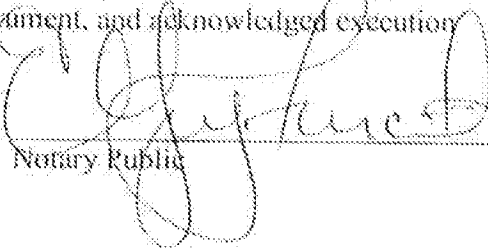
  
SHAWN ROBERT GIBB

Date: July 21<sup>st</sup> 2011

United States of America  
State of New York ) ss.:  
County of Albany )

On this 21<sup>st</sup> day of July, 2011, before me  
personally came SHAWN ROBERT GIBB, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

*Ellena Jay Pordella, Notary Public  
State of New York Qualified in Rensselaer County  
Commission Expires December 28, 2013  
Registration # 015846130104*

  
Notary Public

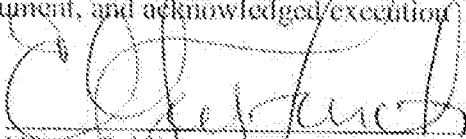
  
\_\_\_\_\_  
LEO J. SCHOWALTER

Date: July 21<sup>st</sup> 2011

United States of America )  
State of New York ) ss.:  
County of Albany )

On this 21<sup>st</sup> day of July, 2011, before me  
personally came LEO J. SCHOWALTER, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

*Elena Jay Porcino, Notary Public  
State of New York Qualified in Rensselaer County  
Commission Expires December 28, 2013  
Registration # 01616129184*

  
\_\_\_\_\_  
Notary Public

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