# PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3151814

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
RONG LUO	11/18/2014
XINYU ZHAO	11/18/2014
JOSEPH GRENCI	11/18/2014

#### **RECEIVING PARTY DATA**

Name:	TICONA LLC	
Street Address:	8040 DIXIE HIGHWAY	
City:	FLORENCE	
State/Country:	KENTUCKY	
Postal Code:	41042	

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	13804573

#### **CORRESPONDENCE DATA**

**Fax Number:** (864)233-7342

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.

**Phone:** 864-271-1592

**Email:** docketing@dority-manning.com, bfowler@dority-manning.com

Correspondent Name: DORITY & MANNING, P.A. AND TICONA LLC

Address Line 1: POST OFFICE BOX 1449

Address Line 4: GREENVILLE, SOUTH CAROLINA 29602

ATTORNEY DOCKET NUMBER:	CICT-261 (2012P0238)	
NAME OF SUBMITTER:	CHRISTINA L. MANGELSEN	
SIGNATURE:	/Christina L. Mangeslsen - 50244/	
ATE SIGNED: 12/17/2014		

### **Total Attachments: 3**

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PATENT 503105207 REEL: 034529 FRAME: 0106

## ASSIGNMENT OF WORLDWIDE RIGHTS

WHEREAS, we, Rong Luo, residing in Florence, Kentucky; Xinyu Zhao, residing in Cincinnati, Ohio; and Joseph Grenci, residing in Florence, Kentucky, as assignors, have made an invention entitled

as described in a patent application for U.S. Letters Patent bearing U.S. Serial No. 13/804,573, which was filed in the U.S. Patent and Trademark Office on March 14, 2013: and

WHEREAS, Ticona LLC, 8040 Dixie Highway, Florence, Kentucky 41042, as assignee, is desirous of securing the entire right, title and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW, THEREFORE, be it known that for good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have assigned, transferred, and set over, and do hereby assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof, and we hereby authorize and request the Commissioner for Patents of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Agreement.

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed, and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN WITNESS WHEREOF, Assignors have executed this document on the date indicated below.

Ross des	16 118/414
Rong Luo	Date
STATE OF LEVELULES SS.	
COUNTY OF 1000	
On this 18th day of November 20 14	
Rong Luo, to me identified as the individual referred to in	
he acknowledged to me that he executed same as his fre	e act and deed for the uses
and purposes therein set forth.	
MONAZI D WWW.S. NOTARY PUBLIC FOR: KELETERS	[SEAL]
MY COMMISSION EXPIRES: 4-7-202	
100	Mexico R. Villami State Al Large, Kentucky
Notary Witness Signature	Commission No. SCHOOL  to Commission Estimate/SCHO

STATE OF COUNTY OF BODGE St.  COUNTY OF BODGE St.  On this I day of Naturable 20 14, appeared before me Xinyu Zhao, to me identified as the individual referred to in the foregoing instrument, and he acknowledged to me that he executed same as his free act and deed for the uses and purposes therein set forth.  WORKER WILLIAMS [SEAL]  NOTARY PUBLIC FOR: VILLULUS Session Supression for the State of Large Members (Seas At Large Members)  Notary Witness Signature  STATE OF LITTURES Session for the identified as the individual referred to in the foregoing instrument, and he acknowledged to me that he executed same as his free act and deed for the uses and purposes therein set forth.  MOTARY PUBLIC FOR: LITTURES SEAL!  MY COMMISSION EXPIRES: LITTURES SEAL!  MY COMMISSION EXPIRES: LITTURES SEAL!  MY COMMISSION EXPIRES: LITTURES SEAL!  Morica R. Williams Seal Seal Seal Seal Seal Seal Seal Seal	Orwy zhao	11/18/2014
On this Gay of Naccuber 20 A appeared before me  Xinyu Zhao, to me identified as the individual referred to in the foregoing instrument, and he acknowledged to me that he executed same as his free act and deed for the uses and purposes therein set forth.  WOMMER. WINDERS [SEAL]  NOTARY PUBLIC FOR: (Instructor Commission Expires Arizotts)  Notary Witness Signature  Working Public Forms  State Of (United States)  On this day of Naccuber 20 4, appeared before me  Joseph Greno, to me identified as the individual referred to in the foregoing instrument, and he acknowledged to me that he executed same as his free act and deed for the uses and purposes therein set forth.  MOTARY PUBLIC FOR: (Instructor Commission Expires Arizotts)  NOTARY PUBLIC FOR: (Instructor Commission Expires Revolutely House) Public Commission Expires Revolutely House) Public Commission Expires Revolutely House) Public Commission Revolutely Revolutely House) Public Commission Revolutely Revol		Date
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Xinyu Zhao, to me identified as the individual referred to in the foregoing instrument, and he acknowledged to me that he executed same as his free act and deed for the uses and purposes therein set forth.    Work	Smith Smith	
and he acknowledged to me that he executed same as his free act and deed for the uses and purposes therein set forth.    Work R. Williams   SEAL	On this 18th day of November . 20	14_, appeared before me
STATE OF STA	Xinyu Zhao, to me identified as the Individual referre	d to in the foregoing instrument,
NOTARY PUBLIC FOR:  MY COMMISSION EXPIRES:  Joseph Grency  On this   day of Notary Fuel   20   4   appeared before me    Joseph Grency   to me identified as the individual referred to in the foregoing instrument, and he acknowledged to me that he executed same as his free act and deed for the uses and purposes therein set forth.    Montany Witness Signature   20   4   appeared before me	and he acknowledged to me that he executed same	as his free act and deed for the
NOTARY PUBLIC FOR:	uses and purposes therein set forth.	
MY COMMISSION EXPIRES: 4-7-00 States At Large. Nothing Public Commission Express #77878  Notary Witness Signature		[SEAL]
Joseph Grence STATE OF (LATICE) ss.  COUNTY OF BOXE  On this I day of November, 20 4, appeared before me  Joseph Grenci, to me identified as the individual referred to in the foregoing instrument, and he acknowledged to me that he executed same as his free act and deed for the uses and purposes therein set forth.  [SEAL]  MY COMMISSION EXPIRES: 47 MILES  MY COMMISSION EXPIRES	and the second s	State At Large, Kersucky Notice Public Commission No. \$19,798
Joseph Grence STATE OF (LATICE) ss.  COUNTY OF BOXE  On this I day of November, 20 4, appeared before me  Joseph Grenci, to me identified as the individual referred to in the foregoing instrument, and he acknowledged to me that he executed same as his free act and deed for the uses and purposes therein set forth.  [SEAL]  MY COMMISSION EXPIRES: 47 MILES  MY COMMISSION EXPIRES	Notary Witness Signature	
STATE OF (LITTUCE) 88, COUNTY OF BOLL  On this Aday of November, 20 4, appeared before me  Joseph Grenci, to me identified as the individual referred to in the foregoing instrument, and he acknowledged to me that he executed same as his free act and deed for the uses and purposes therein set forth.  [SEAL]  MY COMMISSION EXPIRES: 4 706  MY COMMISSION EXPIRES: 4 70		November 18,2014
On this	y w	Date
Joseph Grenci, to me identified as the individual referred to in the foregoing instrument, and he acknowledged to me that he executed same as his free act and deed for the uses and purposes therein set forth.	( ) ss,	
Joseph Grenci, to me identified as the individual referred to in the foregoing instrument, and he acknowledged to me that he executed same as his free act and deed for the uses and purposes therein set forth.	On this 18th day of November, 20	, appeared before me
and he acknowledged to me that he executed same as his free act and deed for the uses and purposes therein set forth.		,
NOTARY PUBLIC FOR: LALIGICAL [SEAL]  MY COMMISSION EXPIRES: 4-7-704.  OR COMMISSION EXPIRES: 4-7-704.		
NOTARY PUBLIC FOR: LINIUM COMMISSION EXPIRES: 4-7-704 Comm	uses and purposes therein set forth.	
MY COMMISSION EXPIRES: UZ Z ZZZZ SION ALLOPO, KONTONY Z SION ALLOPO,	NOW OF P. VI WAYS NOTARY PUBLIC FOR: LINE WAS	[SEAL]
Notary / Witness Signature		Sunta A. Large, Kerthary Housey Public Commission No. SUNTA

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**RECORDED: 12/17/2014**