### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3241859

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
YUCHENG DING	02/04/2015
JINYOU SHAO	02/05/2015
XIANGMING LI	02/04/2015
HONGMIAO TIAN	02/04/2015
XIN LI	02/04/2015

#### RECEIVING PARTY DATA

Name:	XI'AN JIAOTONG UNIVERSITY
Street Address:	28 WEST XIANNING ROAD, BEILIN DISTRICT
City:	XI'AN
State/Country:	CHINA
Postal Code:	710049

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

Property Type	Number
Application Number:	14631824

#### **CORRESPONDENCE DATA**

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**MATTHIAS SCHOLL Correspondent Name:** Address Line 1: 14781 MEMORIAL DRIVE

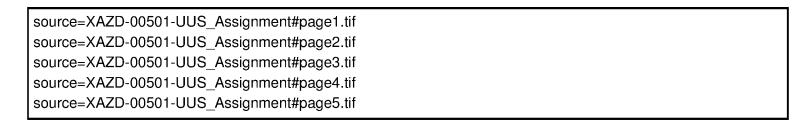
**SUITE 1319** Address Line 2:

Address Line 4: HOUSTON, TEXAS 77079

ATTORNEY DOCKET NUMBER:	XAZD-00501-UUS
NAME OF SUBMITTER:	LARRY CHEN
SIGNATURE:	/Larry Chen/
DATE SIGNED:	02/25/2015

**Total Attachments: 5** 

**PATENT** REEL: 035032 FRAME: 0324



PATENT REEL: 035032 FRAME: 0325

Attorney Docket Number	XAZD-0050	1-UUS				
Title of Invention	METHOD F	OR MANUFACTURIN	G TRANSPAR	ENT CONI	DUCTIVE FILM	М
		am the original inventor or an o	original joint invento	r (referred to a	s ASSIGNOR belo	w) of a claimed
WHEREAS	5,	XI'AN JIAOTONG UI	VIVERSITY			
having a po	ostal address of	28 West Xianning Ro	oad, Beilin Disti	rict, Xi'an, S	Shaanxi, China	a, 710049
(referred to	as ASSIGNEE b	elow) desires to acquire the e	ntire right, title, and	interest in and	I to the same in the	e United States;
ASSIGNOR said inven division, co	R, by these prese tion and applica	i, for good and valuable consi ents does sell, assign and to tion throughout the United s uation-in-part, reexamination, nereof.	ransfer unto ASSIC States of America,	NEE, the ent including any	i <mark>re right, title, and</mark> and all patents gra	interest in and to inted on any
prosecution additional of further cons communica ASSIGNOF be required encompass	n and maintenand locuments that m sideration. ASSIG ate to ASSIGNEE R's possession or I of ASSIGNOR in sed within the terr	agrees to execute any docum- be of said application or any of ay be required to affirm the rig BNOR also agrees, without fur at ASSIGNEE's request docu- control, and to provide furthe in respect of the prosecution, roms of this instrument. ASSIGN ors and other legal represents	ther patent application  In the consideration a  Interpretation a  Interpretation a  Interpretation a  Interpretation  Interpr	ons in the Unit in and to said i and at ASSIGN tion concerning stimony on be fense of any p	ed States for said invention and appli nvention and appli EE's expense, to in the invention that half of ASSIGNEE atent application o	invention, including cation, all without dentify and are within that lawfully may r patent
referred to use and be which such	above to ASSIGN hoof; and for the	authorizes and requests the C NEE, as the ASSIGNEE of the use and behoof of ASSIGNEE ranted, as fully and entirely as	entire right, title and E's legal representa	d interest in ar tives and succ	ld to the same, for essors, to the full e	ASSIGNEE's sole and of the term for
		es Practitioners associated weffect its recordal in the U.S. F				
LEGAL N	AME OF ASSIGN	IOR				
Assignor:	Yucheng DII	NG	[	Date:	do U. 2.6	
Signature	Yuchan	j Ping				

PAGE 1 OF **5** 

Attorney Docket Number	XAZD-00501-UUS
Title of Invention	METHOD FOR MANUFACTURING TRANSPARENT CONDUCTIVE FILM
	i, I believe that I am the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed the application identified by the title above.
WHEREAS	XI'AN JIAOTONG UNIVERSITY
having a po	<sup>ostal address of</sup> 28 West Xianning Road, Beilin District, Xi'an, Shaanxi, China, 710049
(referred to	as ASSIGNEE below) desires to acquire the entire right, title, and interest in and to the same in the United States;
ASSIGNOR said invent division, co	W, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, R, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to tion and application throughout the United States of America, including any and all patents granted on any ntinuation, continuation-in-part, reexamination, and reissue of said application, whether granted in an initial or tal examination thereof.
prosecution additional d further cons communica ASSIGNOF be required encompass	SIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, and maintenance of said application or any other patent applications in the United States for said invention, including locuments that may be required to affirm the rights of ASSIGNEE in and to said invention and application, all without sideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and to the to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within all of ASSIGNEE at ASSIGNEE that lawfully may lof ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent sed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's autors, administrators and other legal representatives.
referred to a use and be which such	SIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole hoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment of been made.
	SIGNOR authorizes Practitioners associated with the Customer Number 33,794 to insert or complete any information ment needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same.
LEGAL N	AME OF ASSIGNOR
Assignor:	Jinyou SHAO Date: 21/05/2015

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Docket Number	XAZD-0050	)1-UUS				
Title of Invention	METHOD F	OR MANUFACTI	JRING TRANSF	PARENT CO	NDUCTIVE FILM	
		am the original inventor dentified by the title abo		ventor (referred t	o as ASSIGNOR below)	of a claimed
WHEREAS	,	XI'AN JIAOTON	IG UNIVERSIT	ſ		
having a po	estal address of	28 West Xiannin	ıg Road, Beilin [	District, Xi'an	, Shaanxi, China,	710049
(referred to	as ASSIGNEE I	pelow) desires to acquir	e the entire right, title	e, and interest in a	and to the same in the U	Inited States;
ASSIGNOF said inven- division, co	R, by these pres	ents does sell, assign ation throughout the U nuation-in-part, reexami	n and transfer unto A United States of Ame	ASSIGNEE, the e	acy of which is hereby a entire right, title, and ir ny and all patents grant , whether granted in an	nterest in and to ed on any
prosecution additional of further conscious ASSIGNOF be required encompass	and maintenan locuments that n sideration. ASSIA te to ASSIGNEE A's possession o of ASSIGNOR is sed within the ter	ce of said application or nay be required to affirn GNOR also agrees, with E at ASSIGNEE's reque r control, and to provide n respect of the prosec	r any other patent app in the rights of ASSIG mout further considera est documents and inf e further assurances a ution, maintenance a ASSIGNOR's obligation	olications in the UNEE in and to sa wition and at ASSI formation concerr and testimony on and defense of an	ed in connection with the Inited States for said inv id invention and applicat GNEE's expense, to ide ning the invention that an behalf of ASSIGNEE th y patent application or p strument shall extend to	ention, including tion, all without ntify and re within at lawfully may atent
referred to use and be which such	above to ASSIG hoof; and for the	NEE, as the ASSIGNEE use and behoof of ASS	E of the entire right, tit SIGNEE's legal repres	tle and interest in sentatives and su	rademarks to issue any a and to the same, for AS accessors, to the full end ald by ASSIGNOR had th	SSIGNEE's sole I of the term for
ASS in this docu	SIGNOR authori: ment needed to	zes Practitioners associ effect its recordal in the	iated with the Custom U.S. Patent and Tra	ner Number 33,79 demark Office ar	94 to insert or complete and to record the same.	any information
LEGAL N	AME OF ASSIG	NOR				
Assignor:	Xiangming I	.1		Date:	2015.2.4	
Signature	: <u>Xi an</u>	ig ming LI				

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Attorney Docket Number	XAZD-00501-UUS
Title of Invention	METHOD FOR MANUFACTURING TRANSPARENT CONDUCTIVE FILM
	6, I believe that I am the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed in the application identified by the title above.
WHEREAS	S, XI'AN JIAOTONG UNIVERSITY
having a po	28 West Xianning Road, Beilin District, Xi'an, Shaanxi, China, 710049
(referred to	as ASSIGNEE below) desires to acquire the entire right, title, and interest in and to the same in the United States;
ASSIGNOF said invention, co	W, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, R, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and intion and application throughout the United States of America, including any and all patents granted on any continuation, continuation-in-part, reexamination, and reissue of said application, whether granted in an initial or intal examination thereof.
prosecution additional of further conscious communical ASSIGNOF be required encompass	SIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, in and maintenance of said application or any other patent applications in the United States for said invention, including documents that may be required to affirm the rights of ASSIGNEE in and to said invention and application, all without isideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and ate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within R's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may dof ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent sed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's extors, administrators and other legal representatives.
referred to use and be which such	SIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole shoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for a patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment of been made.
	SIGNOR authorizes Practitioners associated with the Customer Number 33,794 to insert or complete any information ument needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same.
LEGAL N	IAME OF ASSIGNOR
Assignor:	Hongmiao TIAN Date: 2.14
Signatura	s. Hasain 7144/

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Attorney Docket Number	XAZD-00501-UUS
Title of Invention	METHOD FOR MANUFACTURING TRANSPARENT CONDUCTIVE FILM
	, I believe that I am the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed the application identified by the title above.
WHEREAS	XI'AN JIAOTONG UNIVERSITY
having a po	28 West Xianning Road, Beilin District, Xi'an, Shaanxi, China, 710049
(referred to	as ASSIGNEE below) desires to acquire the entire right, title, and interest in and to the same in the United States;
ASSIGNOF said inven- division, co	W, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, R, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to tion and application throughout the United States of America, including any and all patents granted on any ntinuation, continuation-in-part, reexamination, and reissue of said application, whether granted in an initial or tal examination thereof.
prosecution additional of further conscious ASSIGNOF be required encompass	SIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, and maintenance of said application or any other patent applications in the United States for said invention, including ocuments that may be required to affirm the rights of ASSIGNEE in and to said invention and application, all without sideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and te to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within it's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent ed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's ators, administrators and other legal representatives.
referred to use and be which such	SIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole hoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment it been made.
	SIGNOR authorizes Practitioners associated with the Customer Number 33,794 to insert or complete any information ment needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same.
LEGAL N	AME OF ASSIGNOR
Assignor:	Xin LI Date: 2ο ιζ. 2 · Ψ
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**PATENT REEL: 035032 FRAME: 0330** 

**RECORDED: 02/25/2015**