503795448 04/22/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3842095

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY DA	АТА				
		Name	Execution Date		
ZHAOXIN WU			09/26/2013		
YANG DAI			09/26/2013		
BO JIAO			09/26/2013		
XUN HOU			09/26/2013		
RECEIVING PARTY DA	ТА				
Name:	XI'AN JI	AOTONG UNIVERSITY			
Street Address:	NO. 28	XIANNING WEST ROAD			
City:	XI'AN, S	GHANXI			
State/Country:	CHINA				
Postal Code:	710049				
Property Type		Number			
Property Type Application Number:		Number 15030037			
Application Number:					
Application Number:	ΑΤΑ	15030037			
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be	ATA (e sent to	15030037 (435)252-1360 the e-mail address first; if that is unsu			
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p	ATA (e sent to provided	15030037 (435)252-1360 the e-mail address first; if that is unsu ; if that is unsuccessful, it will be sent			
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone:	ATA (e sent to provided	15030037 (435)252-1360 the e-mail address first; if that is unsu ; if that is unsuccessful, it will be sent (4352521360			
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p	ATA (e sent to provided	15030037 (435)252-1360 the e-mail address first; if that is unsu ; if that is unsuccessful, it will be sent			
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email:	ATA e sent to provided	15030037 (435)252-1360 <i>the e-mail address first; if that is unsu</i> <i>; if that is unsuccessful, it will be sent</i> 4352521360 cmurdock@mabr.com			
Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	ATA e sent to provided	(435)252-1360 <i>the e-mail address first; if that is unsu</i> <i>; if that is unsuccessful, it will be sent</i> 4352521360 cmurdock@mabr.com R. BURNS ISRAELSEN 1389 CENTER DRIVE SUITE 300			
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1:	ATA e sent to provided	15030037 (435)252-1360 (the e-mail address first; if that is unsu (; if that is unsuccessful, it will be sent (4352521360 cmurdock@mabr.com R. BURNS ISRAELSEN (1389 CENTER DRIVE			
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	ATA e sent to provided ((435)252-1360 <i>the e-mail address first; if that is unsu</i> <i>; if that is unsuccessful, it will be sent</i> 4352521360 cmurdock@mabr.com R. BURNS ISRAELSEN 1389 CENTER DRIVE SUITE 300			
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	ATA e sent to provided (435)252-1360 <i>the e-mail address first; if that is unsu</i> <i>; if that is unsuccessful, it will be sent</i> 4352521360 cmurdock@mabr.com R. BURNS ISRAELSEN 1389 CENTER DRIVE SUITE 300 PARK CITY, UTAH 84098			
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NU	ATA e sent to provided ((435)252-1360 the e-mail address first; if that is unsu ; if that is unsuccessful, it will be sent 4352521360 cmurdock@mabr.com R. BURNS ISRAELSEN 1389 CENTER DRIVE SUITE 300 PARK CITY, UTAH 84098 11013.10188US01			
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NUN NAME OF SUBMITTER:	ATA e sent to provided ((435)252-1360 the e-mail address first; if that is unsu ; if that is unsuccessful, it will be sent 4352521360 cmurdock@mabr.com R. BURNS ISRAELSEN 1389 CENTER DRIVE SUITE 300 PARK CITY, UTAH 84098 11013.10188US01 R. BURNS ISRAELSEN			
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET NU NAME OF SUBMITTER: SIGNATURE:	ATA e sent to provided (15030037 (435)252-1360 the e-mail address first; if that is unsu ; if that is unsuccessful, it will be sent 4352521360 cmurdock@mabr.com R. BURNS ISRAELSEN 1389 CENTER DRIVE SUITE 300 PARK CITY, UTAH 84098 I1013.10188US01 R. BURNS ISRAELSEN /R. Burns Israelsen/ Reg. #42,685			
Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER: SIGNATURE: DATE SIGNED:	ATA (e sent to provided () () () () () () () () () (15030037 (435)252-1360 the e-mail address first; if that is unsu ; if that is unsuccessful, it will be sent 4352521360 cmurdock@mabr.com R. BURNS ISRAELSEN 1389 CENTER DRIVE SUITE 300 PARK CITY, UTAH 84098 11013.10188US01 R. BURNS ISRAELSEN /R. Burns Israelsen/ Reg. #42,685 04/22/2016 ment#page1.tif			

503795448

source=I1013-10188US01_Assignment#page3.tif source=I1013-10188US01_Assignment#page4.tif source=I1013-10188US01_Assignment#page5.tif source=I1013-10188US01_Assignment#page6.tif source=I1013-10188US01_Assignment#page7.tif source=I1013-10188US01_Assignment#page8.tif

<u>ASSIGNMENT OF PATENT RIGHTS</u> 专利权转让证明

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged, 基于等价有偿, 兹确认其足数并已收讫

Zhaoxin WU, having an address of No. 28, Xianning West Road, Xi'an 710049 Shanxi China, and

吴朝新,陕西省西安市咸宁西路28号 邮编710049,以及

Yang DAI, having an address of No. 28, Xianning West Road, Xi'an 710049 Shanxi China, and

戴阳,陕西省西安市咸宁西路28号 邮编710049,以及

Bo JIAO, having an address of No. 28, Xianning West Road, Xi'an 710049 Shanxi China, and

焦博,陕西省西安市咸宁西路28号 邮编710049,以及

Xun HOU, having an address of No. 28, Xianning West Road, Xi'an 710049 Shanxi China

侯洵,陕西省西安市咸宁西路28号 邮编710049

([collectively,] "Assignor"),

([统称为] "转让人")

effective as of <u>June 20th</u>, 2011 hereby sells, assigns, transfers, and conveys unto <u>Xi'an Jiaotong</u> <u>University, No. 28 Xianning West Road, Xi'an 710049 Shanxi China</u> ("Assignee"), all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "**Rights**"):

自 2011 年 <u>6 月 20 日</u>起生效,将现在存在而且将来可能存在于以下任何或所有项目中的所有权利,所有权,以及收益权(统称为该"权利")出售,转让和转移给<u>西安交</u> 通大学,陕西省西安市咸宁西路 28 号 邮编 710049 ("受让人"):

1. the inventions disclosed in the solution report/invention disclosure titled <u>Quasi-periodic</u> <u>structure for light extraction from OLED with metallic electrodes</u> and all inventions claimed and/or described in the Application (collectively, the "**Invention**");

在方案报告/发明披露书中揭示的标题为基于准周期微纳结构聚合物薄膜制作的 有机电致发光器件的发明以及以下申请中请求保护以及/或者描述的所有发明(统称为 该"发明");

Page 1

the patent applications listed in the table below (the "Application");

下表中所列的专利申请(该"申请");

Patent Application No. 专利申请号码	Country 国家	Filing Date 申请日	Title 标题
PCT/CN2013/085419	PCT	October 17, 2013	LIGHT-EMITTING DEVICES AND
a standard and a standard and a standard a s		i san ƙasar Isaachi	METHODS OF MAKING AND
			USING THE SAME
15/030,037	US	October 17, 2013	LIGHT-EMITTING DEVICES AND
			METHODS FOR MAKING AND
	a state a sector a sector a sector		USING THE SAME

3. all rights with respect to the Invention, including all UNITED STATES patents or other governmental grants or issuances that may be granted with respect to the Invention or from any direct or indirect divisionals, continuations, continuations-in-part, or other patent applications claiming priority rights from the Application ("Potential Patents");

与该发明有关的所有权利,包括与该发明有关的或者来自任何直接的或间接的 分案申请,继续申请,部分继续申请,或其他要求该申请优先权的专利申请的所有美 国专利或其他政府授权或颁证("潜在专利");

all reissues, reexaminations, extensions, or registrations of the Potential Patents;

该潜在专利的所有再颁,复审,续展,或者注册;

5. all non-United States patents, patent applications, and counterparts relating to any or all of the Invention, the Application, and the Potential Patents, including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances (**'Foreign Rights'**), and including the right to file foreign applications directly in the name of Assignee, its successors and assigns;

与该发明、专利申请、和潜在专利相关的全部非美国专利、非美国专利申请和 对应申请,包括,但不限于,发明证书、实用新型、工业品外观设计保护、外观设计 专利保护,以及其他政府授权或颁证("**外国权利**"),并包括直接以受让人,其继 承人以及再受让人的名义提交外国申请的权利;

6. all rights to claim priority rights deriving from the Application;

要求源于该申请的优先权的所有权利;

7. all causes of action and remedies related to any or all of the Application, the Invention, the Potential Patents, and the Foreign Rights (including, without limitation, the right to sue for past, present, or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and

与任何或所有该申请, 该发明, 该潜在专利, 以及该外国权利相关的所有诉由和救济(包括, 但不限于, 对过去, 现在, 或将来的对与任何前述相关的权利的侵害, 滥用或侵犯行为提起诉讼的权利以及领取任何前述下或由其产生的使用费和其他报酬的权利); 以及

PATENT REEL: 038353 FRAME: 0811

2.

4.

8. any and all other rights and interests arising out of, in connection with, or in relation to the Application, the Invention, Potential Patents, and the Foreign Rights.

由该申请, 该发明, 潜在专利, 以及该外外权利产生的, 与之关联的或涉及它 们的任何和所有其他权利和利益。

Assignor will not sign any document or do any act conflicting with this Assignment, and, without further compensation, will sign all documents and do such additional acts as Assignee, its successors, legal representatives, and assigns deem necessary or desirable to perfect enjoyment of the Rights, conduct proceedings regarding the Rights (including any litigation or interference proceedings), or perfect or defend title to the Rights. Assignor requests the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models, or other governmental grants or issuances that may be granted upon any of the Rights in the name of the Assignee, as the assignee to the entire interest therein.

转让人不得签署任何文件或做出与本转让证明相冲突的任何行为,并且当受让 人,其继承者,法律代表以及再受让人为完善权利的行使,实施关于该权利的诉讼程 序(包括任何诉讼或干预程序),或为完善或维护对该权利的所有权而认为有必要或 需要时,转让人应当签署所有必要或需要的文件并做出其他相关行为,而无需任何额 外报酬。

Assignor hereby authorizes and requests authorized representative to insert on this Assignment the filing date and Patent Application Numbers in the table above when known.

转让人特此授权并要求授权代表人在得知申请日以及专利申请号码之后将其填入本转让证明上面的表格中。

The terms and conditions of this Assignment will inure to the benefit of Assignee, its successors, legal representatives, and assigns and will be binding upon Assignor, their successors, legal representatives and assigns.

本转让证明的条款将符合受让人及其继承人,法律代表以及再受让人的利益并 将对转让人,其继承人,法律代表以及再受让人具有约束力。

Assignor and Assignee acknowledge and agree that any version of this Assignment in a language other than English will be non-binding and shall exist only for the convenience of both Assignors and Assignee.

转让人与受让人承认并同意本转让书的非英文版本不具有约束力,非英文版本 仅为转让人与受让人的便利而存在。

> [Signature Page(s) to Follow] [下面是签名页]

> > Page 3

By: 签名:	Thooxin	Wr	素制新	
Print name: 打印名称:	Zhaoxir	n WU 吴朝新	· · .	

<u>ATTESTATION</u> <u>证词</u>

The undersigned witnessed the signature of Zhaoxin WU to this document and makes the following statements:

下面签署人见证了吴朝新签署此文件,特作以下陈述:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.

我年满18周岁, 若被要求, 有能力对本证词的事实予以证实。

2. Zhaoxin WU is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on Sep. 36, 2012, to execute this document.

吴朝新 本人,为我所知(或有充分证据证明其身份),并于 2013年20176日在 我面前签署此文件。

Zhaoxin WU subscribed to this document.

吴朝新 同意本文件。

3.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that the foregoing is true and correct.

根据美利坚合众国法律有关伪证处罚以及本文件可能面临的任何其他司法管辖 区的处罚法的规定,本人声明上述信息是真实的,正确的。

By: 签名:	于跃 Yue Tu
Print name: 打印名称:	FBA We h
By: 签名:	& BAAK Lin Ma
Print name: 打印名称:	马琳 Lin Ma

By: 签名:

1.

2.

Print name: 打印名称:

<u>ATTESTATION</u> 证词

30

The undersigned witnessed the signature of Yang DAI to this document and makes the following statements:

下面签署人见证了戴阳签署此文件,特作以下陈述:

I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.

我年满18周岁,若被要求,有能力对本证词的事实予以证实。

Yang DAI is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on $\underline{Sep.se}$, $20 \underline{I}$ to execute this document.

戴阳 本人,为我所知(或有充分证据证明其身份),并于 2013年9月26日 在我 面前签署此文件。

3. Yang DAI subscribed to this document.

'any DA:

Yang DAI 戴阳

戴阳 同意本文件。

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that the foregoing is true and correct.

d le land

根据美利坚合众国法律有关伪证处罚以及本文件可能面临的任何其他司法管辖 区的处罚法的规定,本人声明上述信息是真实的,正确的。

By: 签名:	FBA metu	
Print name: 打印名称: _	FBR The Th	
By: 签名:	3 m Lin	Ma
- Print name: 打印名称:	马琳 Lin	Ma

Page 5

:	Bo Jiao	息型
		V ta

Print name: 打印名称:

2.

By: 签名

Bo JIAO 焦博

<u>ATTESTATION</u> 证词

The undersigned witnessed the signature of Bo JIAO to this document and makes the following statements:

下面签署人见证了焦博签署此文件,特作以下陈述:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.

我年满18周岁,若被要求,有能力对本证词的事实予以证实。

Bo JIAO is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on Sec. 36, 20, 20 to execute this document.

焦博 本人,为我所知(或有充分证据证明其身份),并于 20<u>13年 260</u>在我 面前签署此文件。

3. Bo JIAO subscribed to this document.

焦博 同意本文件。

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that the foregoing is true and correct.

根据美利坚合众国法律有关伪证处罚以及本文件可能面临的任何其他司法管辖 区的处罚法的规定,本人声明上述信息是真实的,正确的。

By: 签名:	子跃	Yue Yu
Print name: 打印名称:	子跃	Tue Tu
	• •	
By: 签名:	马城	Lin Ma
Print name: 打印名称: _	马琳	Lin Ma

Page 6

Here Lun (12 :10)

Print name: 打印名称:

By: 签名:

Xun HOU 侯洵

ATTESTATION

<u>证词</u>

The undersigned witnessed the signature of Xun HOU to this document and makes the following statements:

下面签署人见证了侯洵签署此文件,特作以下陈述:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.

我年满18周岁, 若被要求, 有能力对本证词的事实予以证实。

2. Xun HOU is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on $\frac{p_1 \cdot q_2}{20!2}$, to execute this document.

候洵 本人,为我所知(或有充分证据证明其身份),并于 2013年9月26日在我 面前签署此文件。

3. Xun HOU subscribed to this document.

侯洵 同意本文件。

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that the foregoing is true and correct.

根据美利坚合众国法律有关伪证处罚以及本文件可能面临的任何其他司法管辖 区的处罚法的规定,本人声明上述信息是真实的,正确的。

By: 签名:	42 20 flow Lun	子跃	The Th
Print name: 打印名称:	候泊 HOU XUN.	予跃	The The
	an an an an Araba an Araba an Araba an Arab		
By: 签名:	3 work Lin Ma		

Print name: 荪 lin 打印名称: Ma

Page 7

ACCEPTANCE BY ASSIGNEE

受让人接受书

In connection with an assignment in any jurisdiction in which an acceptance by ASSIGNEE is required, I hereby accept this assignment on behalf of Xi'an Jiaotong University. I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that (check all that apply):

在任何要求需要受让人为转让提供接受书的管辖权, 我兹代表西安交通大学接受本转 让书。我以美利坚合众国法律和本文件可能被提交的任何其他管辖区域的法律保证 (请检查所有适用选项),

I am an officer of the above-identified ASSIGNEE, 我是上述确认的受让人的官员,

I have signed this document on behalf of ASSIGNEE with the full authority of its board of directors, 我接受受让人董事会的全权委托,代表受让人签署本文件,

and that all the foregoing is true and correct.

上述文件真实无误。

10.15.

Dated: 日期:

By: 签名人;	高阳
Name: 姓名:	高胸
Title: 职务:	专利自管

PATENT REEL: 038353 FRAME: 0817

RECORDED: 04/22/2016