# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6562332

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
YONGPING MIAO	02/01/2021
WEIHUI LIU	02/01/2021
DA CHEN	02/01/2021
BING CHEN	02/01/2021
JUNYING WEI	02/01/2021
KUN DAI	02/01/2021

#### **RECEIVING PARTY DATA**

Name:	SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY
Street Address:	NO. 579, QIANWANGANG ROAD, HUANGDAO DISTRICT
City:	QINGDAO
State/Country:	CHINA
Postal Code:	266590

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

Property Type	Number
Application Number:	17270074

### **CORRESPONDENCE DATA**

Fax Number: (203)298-4832

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: 203-298-4830

Email: patent.desk@ipattorneysgroup.com IP ATTORNEYS GROUP, LLC **Correspondent Name:** 

16 OXFORD ROAD Address Line 1:

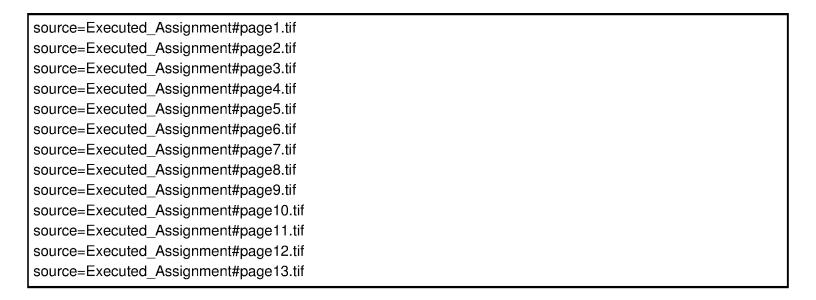
Address Line 4: MILFORD, CONNECTICUT 06460

ATTORNEY DOCKET NUMBER: 00354-P0001A NAME OF SUBMITTER: JAMES ALBURGER SIGNATURE: /James Alburger/ **DATE SIGNED:** 02/22/2021

**Total Attachments: 13** 

**PATENT** REEL: 055348 FRAME: 0611

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	ORM COVER SHEET
	se record the attached documents or the new address(es) below.
1. Name of conveying party(ies) Yongping Miao Bing Chen Weihui Liu Junying Wei Da Chen Kun Dai	2. Name and address of receiving party(ies)  Name: Shandong University of Science and Technology  Internal Address:
Additional name(s) of conveying party(ies) attached? Solve Solve  3. Nature of conveyance/Execution Date(s):  Execution Date(s) February 1, 2021  Assignment Merger  Security Agreement Change of Name  Joint Research Agreement  Government Interest Assignment  Executive Order 9424, Confirmatory License  Other	Street Address: No. 579, Qianwangang Road, Huangdao District  City: Qingdao  State: Shandong  Country: China Zip: 266590  Additional name(s) & address(es) attached? Yes
A. Patent Application No.(s)  17/270,074  Additional numbers att  5. Name and address to whom correspondence	B. Patent No.(s)  B. Patent No.(s)    ached?
Name: David Chen Internal Address: 16 Oxford Road Street Address:	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 0.00  Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)
City: Milford  State: CT Zip: 06460  Phone Number: 203-298-4830  Docket Number: 00354-P0001A  Email Address: info@ipattorneysgroup.com	8. Payment Information  Deposit Account Number  Authorized UserName
· · · · · · · · · · · · · · · · · · ·	Total number of pages including cover sheet, attachments, and documents:  13  t) should be faxed to (571) 273-0140, or mailed to: f the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT

**REEL: 055348 FRAME: 0613** 

#### **ASSIGNMENT**

Whereas, Yongping Miao, whose address is No. 579, Qianwangang Road, Huangdao District, Qingdao, Shandong 266590, China, has made certain inventions and discoveries set forth in an application for Letters Patent of the United States of America entitled "Switch Display Apparatus and Assembling Method Thereof" and is identified by IP Attorneys Group, LLC Docket No. 00354-P0001A. I hereby authorize and request our attorneys, IP Attorneys Group, LLC, of 16 Oxford Road, 2<sup>nd</sup> Floor, Milford, CT 06460, to insert here in parentheses:

(application number_	17/270,074	<sub>filed</sub> Februar	y 22, 2021 <sub>)</sub>

the filing date and application number of said application when known.

Whereas, Shandong University of Science and Technology, a Chinese university, whose address is No. 579, Qianwangang Road, Huangdao District, Qingdao, Shandong 266590, China, together with their successors and assigns hereinafter called "Assignees," are desirous of acquiring the title, right, benefits and privileges hereinafter recited:

Now, therefore, for valuable consideration furnished by Assignees to myself, the receipt and sufficiency of which I hereby acknowledge, I hereby, without reservation:

- 1. Assign, transfer and convey to Assignees the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent.
- 2. Authorize Assignees to file patent applications in any or all countries on any or all said inventions and discoveries in my name or in the name of Assignees or otherwise as Assignees may deem advisable, under the International Convention or otherwise.
- 3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignees, as Assignees of the entire right, title and interest therein or otherwise as Assignees may direct.
- 4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignees' request and at its expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignees as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignees all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits inform and substance as may be requested by Assignees; to communicate to Assignees all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignees with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns and which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which I have signed my name below.

Dated: February 1. 202)

Yong Diny Miao

## **Declaration of Witness**

I declare that I was personally present and did see Yongping Miao, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

Declared at Shan dong, china on February 1 , 2021.

Signature of Witness

Xueshui Wang

Name of Witness

## **ASSIGNMENT**

Whereas, Weihui Liu, whose address is No. 579, Qianwangang Road, Huangdao District, Qingdao, Shandong 266590, China, has made certain inventions and discoveries set forth in an application for Letters Patent of the United States of America entitled "Switch Display Apparatus and Assembling Method Thereof" and is identified by IP Attorneys Group, LLC Docket No. 00354-P0001A. I hereby authorize and request our attorneys, IP Attorneys Group, LLC, of 16 Oxford Road, 2<sup>nd</sup> Floor, Milford, CT 06460, to insert here in parentheses:

(application number	17/270,074	filed February 22,	2021

the filing date and application number of said application when known.

Whereas, Shandong University of Science and Technology, a Chinese university, whose address is No. 579, Qianwangang Road, Huangdao District, Qingdao, Shandong 266590, China, together with their successors and assigns hereinafter called "Assignees," are desirous of acquiring the title, right, benefits and privileges hereinafter recited:

Now, therefore, for valuable consideration furnished by Assignees to myself, the receipt and sufficiency of which I hereby acknowledge, I hereby, without reservation:

- 1. Assign, transfer and convey to Assignees the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent.
- Authorize Assignees to file patent applications in any or all countries on any or all said inventions and discoveries in my name or in the name of Assignees or otherwise as Assignees may deem advisable, under the International Convention or otherwise.
- 3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignees, as Assignees of the entire right, title and interest therein or otherwise as Assignees may direct.
- 4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignees' request and at its expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignees as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignees all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits inform and substance as may be requested by Assignees; to communicate to Assignees all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignees with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns and which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which I have signed my name below.

Dated: Februrary 1, 2021

Weihul Liu

## Declaration of Witness

I declare that I was personally present and did see **Weihui Liu**, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

Declared at Shandong China, on February 1 2021.

Xueshui Wang Signature of Witness

Xueshui Wang

Name of Witness

## **ASSIGNMENT**

Whereas, Da Chen, whose address is No. 579, Qianwangang Road, Huangdao District, Qingdao, Shandong 266590, China, has made certain inventions and discoveries set forth in an application for Letters Patent of the United States of America entitled "Switch Display Apparatus and Assembling Method Thereof" and is identified by IP Attorneys Group, LLC Docket No. 00354-P0001A. I hereby authorize and request our attorneys, IP Attorneys Group, LLC, of 16 Oxford Road, 2<sup>nd</sup> Floor, Milford, CT 06460, to insert here in parentheses:

(application number_	17/270,074	filed February 22, 2021

the filing date and application number of said application when known.

Whereas, Shandong University of Science and Technology, a Chinese university, whose address is No. 579, Qianwangang Road, Huangdao District, Qingdao, Shandong 266590, China, together with their successors and assigns hereinafter called "Assignees," are desirous of acquiring the title, right, benefits and privileges hereinafter recited:

Now, therefore, for valuable consideration furnished by Assignees to myself, the receipt and sufficiency of which I hereby acknowledge, I hereby, without reservation:

- 1. Assign, transfer and convey to Assignees the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent.
- Authorize Assignees to file patent applications in any or all countries on any or all said inventions and discoveries in my name or in the name of Assignees or otherwise as Assignees may deem advisable, under the International Convention or otherwise.
- 3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignees, as Assignees of the entire right, title and interest therein or otherwise as Assignees may direct.
- 4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignees' request and at its expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignees as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignees all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits inform and substance as may be requested by Assignees; to communicate to Assignees all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignees with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns and which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which I have signed my name below.

Dated: Jebruary / wy

Da Chen

Da Chen

#### **Declaration of Witness**

I declare that I was personally present and did see **Da Chen**, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

Declared at Shandong, China on February 1 , 2021.

Xue Shui Wang
Signature of Witness

Xueshui Wang

Name of Witness

## **ASSIGNMENT**

Whereas, Bing Chen, whose address is No. 579, Qianwangang Road, Huangdao District, Qingdao, Shandong 266590, China, has made certain inventions and discoveries set forth in an application for Letters Patent of the United States of America entitled "Switch Display Apparatus and Assembling Method Thereof" and is identified by IP Attorneys Group, LLC Docket No. 00354-P0001A. I hereby authorize and request our attorneys, IP Attorneys Group, LLC, of 16 Oxford Road, 2<sup>nd</sup> Floor, Milford, CT 06460, to insert here in parentheses:

(application number	17/270,074	filed February 22,	2021

the filing date and application number of said application when known.

Whereas, Shandong University of Science and Technology, a Chinese university, whose address is No. 579, Qianwangang Road, Huangdao District, Qingdao, Shandong 266590, China, together with their successors and assigns hereinafter called "Assignees," are desirous of acquiring the title, right, benefits and privileges hereinafter recited:

Now, therefore, for valuable consideration furnished by Assignees to myself, the receipt and sufficiency of which I hereby acknowledge, I hereby, without reservation:

- 1. Assign, transfer and convey to Assignees the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent.
- 2. Authorize Assignees to file patent applications in any or all countries on any or all said inventions and discoveries in my name or in the name of Assignees or otherwise as Assignees may deem advisable, under the International Convention or otherwise.
- 3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignees, as Assignees of the entire right, title and interest therein or otherwise as Assignees may direct.
- 4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to

5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignees' request and at its expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignees as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignees all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits inform and substance as may be requested by Assignees; to communicate to Assignees all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignees with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns and which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which I have signed my name below.

Dated: Jebruany 1. 2011. Bing Chen

#### **Declaration of Witness**

I declare that I was personally present and did see **Bing Chen**, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

Declared at Shandong, China, on February 1, 2021.

Xueshui Wang
Signature of Witness

Xueshui Wang
Name of Witness

### **ASSIGNMENT**

Whereas, Junying Wei, whose address is No. 579, Qianwangang Road, Huangdao District, Qingdao, Shandong 266590, China, has made certain inventions and discoveries set forth in an application for Letters Patent of the United States of America entitled "Switch Display Apparatus and Assembling Method Thereof" and is identified by IP Attorneys Group, LLC Docket No. 00354-P0001A. I hereby authorize and request our attorneys, IP Attorneys Group, LLC, of 16 Oxford Road, 2<sup>nd</sup> Floor, Milford, CT 06460, to insert here in parentheses:

(application number	17/270,074	ุ <sub>ก็led</sub> February 22,	2021

the filing date and application number of said application when known.

Whereas, Shandong University of Science and Technology, a Chinese university, whose address is No. 579, Qianwangang Road, Huangdao District, Qingdao, Shandong 266590, China, together with their successors and assigns hereinafter called "Assignees," are desirous of acquiring the title, right, benefits and privileges hereinafter recited:

Now, therefore, for valuable consideration furnished by Assignees to myself, the receipt and sufficiency of which I hereby acknowledge, I hereby, without reservation:

- 1. Assign, transfer and convey to Assignees the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent.
- 2. Authorize Assignees to file patent applications in any or all countries on any or all said inventions and discoveries in my name or in the name of Assignees or otherwise as Assignees may deem advisable, under the International Convention or otherwise.
- 3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignees, as Assignees of the entire right, title and interest therein or otherwise as Assignees may direct.
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5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignees' request and at its expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignees as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignees all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits inform and substance as may be requested by Assignees; to communicate to Assignees all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignees with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns and which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which I have signed my name below.

Dated: February 1. 2021 Junying Wei

## Declaration of Witness

I declare that I was personally present and did see **Junying Wei**, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

Declared at Shandong, China, on February 1, 2021.

XueShui Wang Signature of Witness

Xueshui Wang

Name of Witness

## **ASSIGNMENT**

Whereas, Kun Dai, whose address is No. 579, Qianwangang Road, Huangdao District, Qingdao, Shandong 266590, China, has made certain inventions and discoveries set forth in an application for Letters Patent of the United States of America entitled "Switch Display Apparatus and Assembling Method Thereof" and is identified by IP Attorneys Group, LLC Docket No. 00354-P0001A. I hereby authorize and request our attorneys, IP Attorneys Group, LLC, of 16 Oxford Road, 2<sup>nd</sup> Floor, Milford, CT 06460, to insert here in parentheses:

(application number_	17/270,074	filed February 22,	2021,
_		* *	,

the filing date and application number of said application when known.

Whereas, Shandong University of Science and Technology, a Chinese university, whose address is No. 579, Qianwangang Road, Huangdao District, Qingdao, Shandong 266590, China, together with their successors and assigns hereinafter called "Assignees," are desirous of acquiring the title, right, benefits and privileges hereinafter recited:

Now, therefore, for valuable consideration furnished by Assignees to myself, the receipt and sufficiency of which I hereby acknowledge, I hereby, without reservation:

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- 3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignees, as Assignees of the entire right, title and interest therein or otherwise as Assignees may direct.
- 4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to

Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignees' request and at its expense, but without additional consideration to me or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignees as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignees all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits inform and substance as may be requested by Assignees; to communicate to Assignees all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignees with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns and which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which I have signed my name below.

Dated: february 1. 202

## Declaration of Witness

I declare that I was personally present and did see Kun Dai, who is personally known to me to be the person named in this assignment, duly sign and execute the same.

Declared at Shandong China on February 1 2021.

Xueshui Wang Signature of Witness

Xueshui Wana

Name of Witness

**PATENT** 

RECORDED: 02/22/2021

REEL: 055348 FRAME: 0625