## 507578340 11/02/2022

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7625230

| SUBMISSION TYPE:      | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

#### **CONVEYING PARTY DATA**

| Name                           | Execution Date |
|--------------------------------|----------------|
| BOE TECHNOLOGY GROUP CO., LTD. | 11/01/2022     |

### **RECEIVING PARTY DATA**

| Name:           | BEIJING BOE TECHNOLOGY DEVELOPMENT CO., LTD. |  |
|-----------------|--|--|
| Street Address: | ROOM 407, BUILDING 1, NO. 9 DIZE ROAD, BDA   |  |
| City:           | BEIJING                                      |  |
| State/Country:  | CHINA  |  |
| Postal Code:    | 100176                                       |  |

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

| Property Type       | Number   |  |
|---------------------|----------|--|
| Application Number: | 16475110 |  |

#### **CORRESPONDENCE DATA**

#### Fax Number:

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.

Email: fma@syncoda.com
Correspondent Name: SYNCODA LLC
Address Line 1: 208 EUPHORIA CIR

Address Line 4: CARY, NORTH CAROLINA 27519

| ATTORNEY DOCKET NUMBER: | X1710298JZ-26326-1121 |
|-------------------------|-----------------------|
| NAME OF SUBMITTER:      | FENG MA               |
| SIGNATURE:              | /Feng Ma/             |
| DATE SIGNED:            | 11/02/2022            |

#### **Total Attachments: 7**

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PATENT REEL: 061638 FRAME: 0103

507578340

**ASSIGNMENT** 

THIS ASSIGNMENT is made and entered into by and between BOE

Technology Group Co., Ltd., ("Assignors") having an address of No.10

Jiuxiangiao Rd., Chaoyang District, Beijing, 100015, P.R. China, and Beijing BOE

Technology Development Co., Ltd. ( "Assignee" ) having an address of Room

407, Building 1, No.9 Dize Road, BDA, Beijing, 100176, P.R. China.

WHEREAS, Assignor wishes to confirm assignment to Assignee and assign to

Assignee if such assignment has not already been effected, and Assignee wishes

to acquire from Assignor, the entire right, and title in and to all Intellectual Property

set forth herein that is owned by the Assignor in the event the Assignee has not

already acquired these rights.

NOW, THEREFORE, for good and valuable consideration, the receipt and

sufficiency of which are hereby acknowledged, Assignor hereby transfers and

assigns to Assignee its entire right and title in and to the patents and patent

applications listed on <u>Schedule A</u> hereto and hereby confirm its transfer and assign

in the event it has not already been made;

AND Assignor hereby authorizes and requests the Commissioner of

Patents and Trademarks, the Register of Copyrights of the United States, and any

other applicable governmental authority or registrar (including in any applicable

foreign country), to record Assignee as assignee and owner of the Trademarks,

Patents and/or Copyrights.

[Signature page follows]

1/7

PATENT REEL: 061638 FRAME: 0104 **IN WITNESS WHEREOF,** Assignor and Assignee have caused this Assignment to be executed by their duly authorized representatives.

# **BOE TECHNOLOGY GROUP CO., LTD.**

| Ву:    | Xagno LI.   |
|--------|---|
| Name:  | V   |
| Title: | Head of Technology & IP anagement Center / Vice President |
| Date:  | NOV. 1st, 2022  |

# ACCEPTED BY: Beijing BOE Technology Development Co., Ltd.

| Ву:    | Thym H          |
|--------|-----------------|
| Name:  | Xinguo LI       |
| Title: | General Manager |
| Date:  | HOV. 1st 2022   |

# SCHEDULE A

|     | 1 110       |            | <u> </u>   |
|-----|-------------|------------|--|
|     | US          |            |  |
|     | Application |            |  |
| No  | Number      | Filed Date | Title  |
|     |             |            | QUOTATION METHOD EXECUTED BY COMPUTER, QUOTATION DEVI              |
| 1   | 16/633,214  | 2019-06-13 | CE, ELECTRONIC DEVICE AND STORAGE MEDIUM                           |
|     |             |            | INTERPUPILLARY DISTANCE MEASURING METHOD, WEARABLE OPH             |
| 2   | 16/096,428  | 2018-02-01 | THALMIC DEVICE AND STORAGE MEDIUM                                  |
| 3   | 16/507,462  | 2019-07-10 | IMPRINT TEMPLATE AND IMPRINT METHOD                                |
|     |             |            | DATA TRANSMISSION METHOD, METHOD OF DISPLAYING THREE-              |
|     |             |            | DIMENSIONAL IMAGE, DATA TRANSMISSION DEVICE AND THREE-             |
| 4   | 16/834,609  | 2020-03-30 | DIMENSIONAL IMAGE DISPLAY DEVICE                                   |
|     |             |            | PIEZOELECTRIC SENSOR, PRESSURE DETECTING DEVICE, MANUFACT          |
| 5   | 15/922,016  | 2018-03-15 | URING METHODSAND DETECTION METHOD                                  |
|     |             |            | ARRAY SUBSTRATE, DISPLAY APPARATUS, METHOD OF REDUCING C           |
|     | 1           |            | URRENT-  |
|     |             |            | RESISTANCE DROP AND DATA LOSS IN DISPLAY APPARATUS, AND M          |
| 6   | 16/344,013  | 2018-04-02 | ETHOD OF FABRICATING ARRAY SUBSTRATE                               |
|     |             |            | TOUCH SUBSTRATE, METHOD FOR MANUFACTURING THE SAME, AN             |
| 7   | 16/332,743  | 2018-08-29 | D TOUCH DISPLAY DEVICE   |
|     |             |            | TOUCH PANEL AND MANUFACTURING METHOD THEREOF, DISPLAY              |
| 8   | 15/780,410  | 2017-10-23 | DEVICE   |
| 9   | 16/756,609  | 2019-09-19 | OPTICAL LENS MODULE AND VIRTUAL REALITY DEVICE                     |
|     |             |            | TOUCH STRUCTURE, METHOD FOR MANUFACTURING SAME, TOUCH              |
| 10  | 16/477,588  | 2018-11-19 | DEVICE, AND METHOD FOR DETERMINING TOUCH POSITION                  |
|     | 45/845 400  | 2022 22 44 | FOLDABLE SUPPORT, FABRICATING METHOD THEREOF AND DISPLAY           |
| 11  | 16/815,180  | 2020-03-11 | DEVICE   |
| 12  | 16/634,621  | 2018-12-04 | DISPLAY PANEL, DISPLAY DEVICE AND DISPLAY METHOD                   |
|     |             |            | Temperature detection circuit, temperature sensor device and displ |
| 13  | 16/120,642  | 2018-09-04 | ay device  |
| ٠   | 45 (004 400 |            | ADDRESS LATCH, DISPLAY DEVICE AND ADDRESS LATCHING METHO           |
| 14  | 16/831,183  | 2020-03-26 | D  |
| 4.5 | 46/220.040  | 2010 50 31 | PIXEL ARRANGEMENT STRUCTURE, HIGH-                                 |
| 15  | 16/330,919  | 2018-08-31 | PRECISION METAL MASK, AND DISPLAY APPARATUS                        |
| 7.5 | 46/047 574  | 2020 86 20 | MOTION DEVICE FOR VIRTUAL REALITY INTERACTION AND VIRTUAL          |
| 16  | 16/917,531  | 2020-06-30 | REALITY SYSTEM   |
| 47  | 10/025 270  | 2020 07 40 | AUTOMATIC WAKE-  |
| 17  | 16/925,370  | 2020-07-10 | UP CIRCUIT FOR WEARABLE DEVICE, WEARABLE DEVICE                    |
| 18  | 16/770,095  | 2018-12-10 | METHOD AND SYSTEM FOR TESTING WEARABLE DEVICE                      |
| ۸.  | 10/222 442  | 2040 00 47 | DISPLAY SUBSTRATE, MANUFACTURING METHOD THEREOF, AND DI            |
| 19  | 16/333,112  | 2018-08-17 | SPŁAY DEVICE   |
| 20  | 16/649,199  | 2019-04-01 | DISPLAY DEVICE, DISPLAY METHOD THEREOF, AND DISPLAY SYSTEM         |

|             | · · · · · · · · · · · · · · · · · · · |            | 1.13   |
|-------------|---------------------------------------|------------|--|
|             |                                       |            | LIP-   |
| _           |                                       |            | LANGUAGE IDENTIFICATION METHOD AND APPARATUS, AND AUGM     |
| 21          | 16/610,254                            | 2019-04-24 | ·  |
|             |                                       |            | ORGANIC LIGHT EMITTING DIODE (OLED) SUBSTRATE AND MANUFA   |
| 22          | 16/757,908                            | 2019-05-24 | CTURING METHOD THEREOF, DISPLAY DEVICE                     |
| 23          | 17/191,737                            | 2021-03-04 | Display Panel and Display Apparatus                        |
|             |                                       |            | ACQUISITION EQUIPMENT, SOUND ACQUISITION METHOD, AND SO    |
| 24          | 16/337,039                            | 2018-10-08 | UND SOURCE TRACKING SYSTEM AND METHOD                      |
|             |                                       |            | VEHICLE INFORMATION DIRECTIONAL TRANSMISSION METHODS AN    |
| 25          | 16/475,110                            | 2019-01-07 | D DEVICES  |
| 26          | 17/053,056                            | 2019-10-18 |  |
|             |                                       |            | ARRAY SUBSTRATE, AND PRODUCTION METHOD THEREOF, DISPLAY    |
| 27          | 17/054,823                            | 2020-04-16 | PANEL, AND DISPLAY APPARATUS                               |
|             |                                       |            | WEARABLE DEVICE, ELECTRONIC SYSTEM AND DEVICE, TACTILE FEE |
| 28          | 16/474,397                            | 2018-11-20 | DBACK METHOD AND STORAGE MEDIUM                            |
|             |                                       |            | DISPLAY SUBSTRATE, MANUFACTURING METHOD THEREOF,           |
| 29          | 16/339,614                            | 2018-11-13 | DISPLAY DEVICE   |
|             |                                       |            | LIGHT-EMITTING DEVICE, DISPLAY APPARATUS AND               |
| 30          | 17/351,312                            | 2021-06-18 | MANUFACTURING METHOD                                       |
| 1           |                                       |            | TENSIONING DEVICE, BASE, CLAMP AND METHOD FOR CLAMPING     |
| 31          | 16/303,469                            | 2018-04-19 | MASK PLATE   |
|             |                                       |            | DRIVING BACKPLANE AND METHOD FOR MANUFACTURING THE SA      |
| 32          | 17/081,834                            | 2020-10-27 |  |
|             |                                       |            | SWITCHING METHOD AND SWITCHING DEVICE FOR DISPLAY CHANN    |
| 33          | 16/945,243                            |            | EL, DIPSLAY DRIVING DEVICE AND DISPLAY DEVICE              |
| 34          | 16/535,848                            | 2019-08-08 | ITEM MONITORING METHOD, TERMINAL, AND SYSTEM               |
| 25          | 46/645 704                            |            | SHIFT REGISTER AND DRIVE METHOD THEREOF, AND GATE DRIVE CI |
| 35          | 16/645,721                            | 2019-03-01 |  |
|             |                                       |            | METHOD PERFORMED IN INTERNET OF VEHICLES DATA TRANSMISSI   |
|             |                                       |            | ON SYSTEM, ON-   |
| 36          | 16/623 627                            | 2019-03-26 | BOARD UNIT AND INTERNET OF VEHICLES DATA TRANSMISSION SYS  |
|             | 16/623,627                            | 2019-05-26 | DEVICE AND METHOD FOR MUFFLING, COMMUNICATION DEVICE A     |
| 37          | 16/133,413                            | 2018-09-17 | ND WEARABLE DEVICE   |
| 3/          | 10/155,415                            | 2010-09-17 | TRAFFIC INFORMATION PROCESSING EQUIPMENT, SYSTEM AND ME    |
| 38          | 16/765,674                            | 2019-04-18 |  |
| 38          | 10/705,074                            | 2015-04-18 | NETWORK CONFERENCE MANAGEMENT METHOD AND APPARATUS         |
|             |                                       |            | AND STORAGE MEDIUM, AND NETWORK CONFERENCE PLATFORM        |
| 39          | 16/970,147                            | 2019-12-26 | AND SYSTEM   |
| <del></del> | 20,0,0,147                            |            | CONTROL METHOD AND CONTROL DEVICE FOR VEHICLE DISPLAY DE   |
| 40          | 16/647,808                            | 2019-03-25 | VICE   |
|             | 20,047,000                            |            | ACCESS METHOD, INTERNET OF THINGS PLATFORM, APPLICATION D  |
| 41          | 17/041,413                            | 2018-12-11 | EVICE, SERVICE DEVICE                                      |
| <u> </u>    |                                       |            | RECOVERY DEVICE AND METHOD FOR RECOVERING MAGNETIC PAR     |
| 42          | 16/303,585                            | 2018-03-22 |  |
|             |                                       |            | 1  |

| 43          | 16/329,389 | 2018-09-03 | Camera Module and Display Device   |
|-------------|------------|------------|--|
|             | 10/323,303 | 2010 03 03 | SHIFT REGISTER UNIT, METHOD FOR DRIVING SAME, GATE DRIVE CI  |
| 44          | 17/412,148 | 2021-08-25 | RCUIT AND DISPLAY DEVICE   |
| 45          | 17/259,245 | 2020-03-30 | ACOUSTIC TRANSDUCER AND DRIVING METHOD THEREOF   |
|             |            | 2020-03-30 |  |
| 46          | 16/998,087 |            | FLEXIBLE COVER PLATE, DISPLAY MODULE AND DISPLAY DEVICE  |
| 47          | 17/258,153 | 2020-03-31 | TOUCH DEVICE, TOUCH SYSTEM AND CONTROL METHOD THEREOF  |
|             |            |            | LIGHT-   |
| 40          | 47/244 070 | 2024 02 25 | ADJUSTING GLASS, MANUFACTURING METHOD THEREOF AND GLAS   |
| 48          | 17/211,978 |            | S ASSEMBLY   |
| 49          | 16/643,219 | 2019-03-19 | DISPLAY DEVICE   |
|             |            | 2040.02.20 | FLEXIBLE DISPLAY PANEL, MANUFACTURING METHOD THEREOF AN  |
| 50          | 16/493,467 | 2019-03-26 | D DISPLAY DEVICE   |
| Fa          | 45/050 400 | 2040 00 20 | OPTICAL ASSEMBLY, LIQUID CRYSTAL DISPLAY DEVICE, AND ELECTR  |
| 51          | 16/962,493 | 2019-09-26 |  |
| 52          | 16/989,389 | 2020-08-10 | the state of the s |
| <b>F</b> 2  | 46/750 705 | 2040 02 20 | VEHICLE ANTIGLARE SYSTEM AND METHOD AND VEHICLE  |
| 53          | 16/759,386 | 2019-03-29 |  |
|             |            |            | MULTI-   |
|             | 10/552 500 | 2010 04 16 | LAYER FILM, DISPLAY PANEL AND MANUFACTURING METHOD THER  |
| 54          | 16/652,580 | 2019-04-16 | EOF, AND DISPLAY APPARATUS TIMING CONTROLLER FOR ADJUSTING REFRESH RATES BASED ON I  |
| r.c         | 27/414 226 | 2020 00 24 |  |
| 55          | 17/414,236 | 2020-09-24 | MAGE SIGNALS AND METHOD FOR DRIVING DISPLAY DEVICE   |
| 56          | 17/427 607 | 2021 01 22 | SHIFT REGISTER, GATE DRIVING CIRCUIT, DISPLAY DEVICE AND GATE DRIVING METHOD   |
|             | 17/427,607 |            |  |
| 57          | 17/280,822 | 2020-06-24 | DISPLAY MODULE AND DISPLAY DEVICE  |
|             |            |            | REFLECTIVE-<br>TYPE DISPLAY SCREEN AND CONTROL METHOD THEREOF, AND DISP  |
| 58          | 17/265,552 | 2020-05-19 | l · · · · · · · · · · · · · · · · · · ·  |
| 36          | 17/203,332 | 2020-03-19 | LIGAND AND METHOD OF MANUFACTURING THE SAME, QUANTUM   |
| ļ           |            |            | DOT FILM AND METHOD OF MANUFACTURING THE SAME, AND DIS   |
| 59          | 17/032,546 | 2020-09-25 | PLAY APPARATUS   |
|             | 277032,340 | 2020-03-23 | LIGHT-   |
| 60          | 16/760,475 | 2019-10-29 | EMITTING UNIT AND METHOD FOR MANUFACTURING THE SAME  |
|             | 20,700,475 | 2025 20 25 | POSITIONING CONTROL METHOD AND DEVICE, POSITIONING SYSTE   |
| 61          | 17/281,789 | 2020-05-12 | M AND STORAGE MEDIUM   |
| <del></del> |            | VP AL      | ARRAY BASE PLATE AND FABRICATING METHOD THEREOF, DISPLAY   |
| 62          | 17/212,432 | 2021-03-25 | PANEL AND DISPLAYING DEVICE  |
|             | 27/224/746 |            | LIQUID CRYSTAL LENS, LIQUID CRYSTAL DEVICE AND METHOD FOR  |
| 63          | 17/218,305 | 2021-03-31 | DRIVING LIQUID CRYSTAL LENS  |
|             |            |            | METHOD OF DRIVING PIXEL ARRANGEMENT STRUCTURE HAVING PL  |
|             |            |            | URALITY OF SUBPIXELS, DRIVING CHIP FOR DRIVING PIXEL ARRANGE   |
|             |            |            | MENT STRUCTURE HAVING PLURALITY OF SUBPIXELS, DISPLAY APPA   |
| 64          | 17/497,630 | 2019-07-25 | RATUS, AND COMPUTER-PROGRAM PRODUCT  |
| 65          | 17/363,041 | 2021-06-30 | DISPLAY APPARATUS AND ELECTRONIC DEVICE  |
| ~~          | 21/203,041 | TOTT 00-20 | MARKET FOR CONTRACTOR SEEMS HOUSE DEVICE   |

| NG SMART WINDOW, AND METHOD OF FABRICATING SMART WIND   16/649,801   2019-03-08   OW   |                                       | .,         |            |   |
|--|---------------------------------------|------------|------------|---|
| 16/649,801   2019-03-08   OW   TRANSFER PRINTING METHOD AND TRANSFER PRINTING APPARATU   S   16/649,801   2019-03-19   S   DATA CORRECTION METHOD AND APPARATUS, ELECTRONIC DEVICE   AND COMPUTER-READABLE STORAGE MEDIUM   HEART SOUND MONITORING DEVICE AND METHOD FOR ACQUIRIN   HEART SOUND MONITORING DEVICE AND METHOD FOR ACQUIRIN   HEART SOUND MONITORING DEVICE AND METHOD FOR ACQUIRIN   TOUCH DETECTION METHOD, TOUCH DETECTION DEVICE, AND TOUCH DETECTION DEVICE, AND TOUCH DETECTION METHOD OF DATA SIGNAL   TOUCH DETECTION METHOD AND DISPLAY METHOD AND DISPLAY PAPER AND SIGNAL   TOUCH DETECTION METHOD AND DISPLAY PAPER AND METHOD SIGNAL   TOUCH DETECTION METHOD AND DISPLAY PAPER AND METHOD SIGNAL   TOUCH DETECTION METHOD AND DISPLAY PAPER AND METHOD SIGNAL   TOUCH DETECTION METHOD AND DISPLAY PAPER AND METHOD SIGNAL   TOUCH DETECTION METHOD AND BLIND-GUIDING TERMINAL   TOUCH DETECTION DESPLAY PANEL   TOUCH DETECTION DESPLAY PANEL   TOUCH DETECTION DESPLAY |                                       |            |            | SMART WINDOW, SMART WINDOW SYSTEM, METHOD OF OPERATI              |
| TRANSFER PRINTING METHOD AND TRANSFER PRINTING APPARATUS   |                                       |            |            |   |
| 67   | 66                                    | 16/638,941 | 2019-03-08 |   |
| DATA CORRECTION METHOD AND APPARATUS, ELECTRONIC DEVICE AND COMPUTER-READABLE STORAGE MEDIUM   |                                       |            |            | TRANSFER PRINTING METHOD AND TRANSFER PRINTING APPARATU           |
| 16/669,647   2019-10-31   AND COMPUTER-READABLE STORAGE MEDIUM   HEART SOUND MONITORING DEVICE AND METHOD FOR ACQUIRIN   G HEART SOUND SIGNAL   TOUCH DETECTION METHOD, TOUCH DETECTION DEVICE, AND TOU   17/324,259   2021-05-19   CH DISPLAY DEVICE   DISPLAY ASSEMBLY, DISPLAY APPARATUS, AND DISPLAY METHOD A   71   17/433,825   2020-12-07   ND TRANSMISSION METHOD OF DATA SIGNAL   72   17/478,031   2021-09-17   BACKLIGHT MODULE AND DISPLAY DEVICE   Display Substrate and Preparation Method Thereof, and Display App   36/910,092   2020-06-24   ratus   74   17/324,128   2021-09-07   LIQUID CRYSTAL DISPLAY DEVICE   DISPLAY SUBSTRATE AND MANUFACTURING METHOD THEREOF, and DISPLAY DEVICE   DISPLAY SUBSTRATE AND MANUFACTURING METHOD THEREOF, DISPLAY SUBSTRATE AND FABRICATING METHOD THEREOF, AND DISPLAY PANEL   INTERSECTION BLIND-GUIDING SYSTEM, BLIND-GUIDING TERMINAL   ARRAY SUBSTRATE AND FABRICATING METHOD THEREOF, AND DISPLAY PANEL   INTERSECTION BLIND-GUIDING TERMINAL   ARRAY SUBSTRATE AND FABRICATING METHOD THEREOF, AND DISPLAY PANEL   INTERSECTION BLIND-GUIDING TERMINAL   ARRAY SUBSTRATE AND FABRICATING METHOD THEREOF, AND DISPLAY PANEL   INTERSECTION BLIND-GUIDING TERMINAL   ARRAY SUBSTRATE AND FABRICATING METHOD THEREOF, AND DISPLAY PANEL   INTERSECTION BLIND-GUIDING TERMINAL   ARRAY SUBSTRATE AND FABRICATING METHOD THEREOF, AND DISPLAY PANEL AND METHOD FOR MANUFACTURING DISPLAY PANEL   INTERSECTION METHOD FOR MANUFACTURING DISPLAY PANEL   INTERSECTION BLIND-GUIDING TERMINAL   ARRAY SUBSTRATE   DISPLAY PANEL AND METHOD FOR PREPARING THE SAME, AND DISPLAY PANEL   INTERSECTION DISPLAY PANEL   INTERSECTION DEVICE   INTERSECTION DE | 67                                    | 16/649,801 | 2019-03-19 | 5   |
| HEART SOUND MONITORING DEVICE AND METHOD FOR ACQUIRIN  | ľ                                     |            |            | DATA CORRECTION METHOD AND APPARATUS, ELECTRONIC DEVICE           |
| 69   | 68                                    | 16/669,647 | 2019-10-31 | AND COMPUTER-READABLE STORAGE MEDIUM                              |
| 17/324,259   2021-05-19   TOUCH DETECTION METHOD, TOUCH DETECTION DEVICE, AND TOU   CH DISPLAY DEVICE   DISPLAY ASSEMBLY, DISPLAY APPARATUS, AND DISPLAY METHOD A   17/433,825   2020-12-07   ND TRANSMISSION METHOD OF DATA SIGNAL     17/478,031   2021-09-17   BACKLIGHT MODULE AND DISPLAY DEVICE   Display Substrate and Preparation Method Thereof, and Display App aratus   16/910,092   2020-06-24   aratus   2021-09-07   Display Control System, Display Apparatus and Control Method   17/488,548   2021-09-07   LIQUID CRYSTAL DISPLAY DEVICE   DISPLAY BACKLIGHT SOURCE AND DISPLAY DEVICE   DISPLAY SUBSTRATE AND MANUFACTURING METHOD THEREOF, DISPLAY PANEL   INTERSECTION BLIND-GUIDING SYSTEM, BLIND-GUIDING METHOD THEREOF, AND DISPLAY SUBSTRATE AND FABRICATING METHOD THEREOF, AND DISPLAY APPARATUS   16/763,786   2019-03-11   TRANSPARENT DISPLAY MODULE AND DISPLAY DEVICE   SENSING SUB-CIRCUIT, CIRCUIT, RECOGNITION METHOD, SENSOR, PANEL AND DE   16/753,955   2019-05-28   DISPLAY PANEL AND METHOD FOR MANUFACTURING DISPLAY PANE   16/767,050   2019-07-12   DISPLAY PANEL AND METHOD FOR PREPARING THE SAME, AND DISPLAY BACK PANEL, MANUFACTURING METHODS THEREOF, AND DISPLAY PANEL   DISPLAY BACK PANEL, MANUFACTURING METHODS THEREOF, AND DISPLAY PANEL   LIGHT REGULATION DEVICE AND LIGHT-EMITTING DIODE CHIP, METHOD FOR PREPARING THE SAME, AND DISPLAY PANEL, LIGHT REGULATION DEVICE AND LIGHT REFERENCE AND DISPLAY DEVICE AND DISPLAY DEVICE AND DISPLAY DEVICE AND DISPLAY DEVICE AND DISPLA |                                       |            |            | HEART SOUND MONITORING DEVICE AND METHOD FOR ACQUIRIN             |
| 17/324,259   2021-05-19   CH DISPLAY DEVICE   DISPLAY APPARATUS, AND DISPLAY METHOD A   17/433,825   2020-12-07   ND TRANSMISSION METHOD OF DATA SIGNAL   17/478,031   2021-09-17   BACKLIGHT MODULE AND DISPLAY DEVICE   Display Substrate and Preparation Method Thereof, and Display App   3   16/910,092   2020-06-24   aratus   2021-05-19   Display Control System, Display Apparatus and Control Method   75   17/468,584   2021-05-19   Display Control System, Display Apparatus and Control Method   17/485,155   2021-09-24   BACKLIGHT SOURCE AND DISPLAY DEVICE   DISPLAY SUBSTRATE AND MANUFACTURING METHOD THEREOF, DISPLAY PANEL   NTERSECTION BLIND-GUIDING SYSTEM, BLIND-GUIDING SYSTEM, BLIND-GUIDING METHOD THEREOF, AND DISPLAY PANEL   ARRAY SUBSTRATE AND FABRICATING METHOD THEREOF, AND DISPLAY PANEL   ARRAY SUBSTRATE AND FABRICATING METHOD THEREOF, AND DISPLAY DEVICE   SENSING SUB-CIRCUIT, CIRCUIT, RECOGNITION METHOD, SENSOR, PANEL AND DE   16/753,955   2019-07-12   DISPLAY PANEL AND METHOD FOR MANUFACTURING DISPLAY PANEL   16/767,050   2019-07-12   DISPLAY PANEL AND METHOD FOR MANUFACTURING DISPLAY PANEL   BISPLAY PANEL AND METHOD FOR PREPARING THE SAME, AND DISPLAY DEVICE   NORGANIC LIGHT-EMITTING DIODE CHIP, METHOD FOR PREPARING THE SAME, AND DISPLAY PANEL LIGHT REGULATION DEVICE AND LIGHT-EMITTING DIODE CHIP, METHOD FOR PREPARING THE SAME, AND DISPLAY PANEL LIGHT REGULATION DEVICE AND LIGHT-EMITTING DIODE CHIP, METHOD FOR PREPARING THE SAME, AND DISPLAY PANEL LIGHT REGULATION DEVICE AND DISPLAY  | 69                                    | 16/758,026 | 2019-10-31 |   |
| 17/433,825   2020-12-07   DISPLAY ASSEMBLY, DISPLAY APPARATUS, AND DISPLAY METHOD A ND TRANSMISSION METHOD OF DATA SIGNAL     17/478,031   2021-09-17   BACKLIGHT MODULE AND DISPLAY DEVICE   DISPLAY SUBSTRATE AND MANUFACTURING METHOD THEREOF, DISPLAY PANEL   MTERSECTION BLIND-GUIDING SYSTEM, BLIND-GUIDING SYSTEM, BLIND-GUIDING METHOD AND BLIND-GUIDING TERMINAL   ARRAY SUBSTRATE AND FABRICATING METHOD THEREOF, AND DISPLAY PANEL   DISPLAY PANEL   DISPLAY MODULE AND DISPLAY DEVICE   DISPLAY DEVICE   DISPLAY MODULE AND DISPLAY DEVICE   DISPLAY PANEL   DISPLAY MODULE AND DISPLAY DEVICE   DISPLAY PANEL AND METHOD FOR MANUFACTURING DISPLAY PANEL   DISPLAY PANEL AND METHOD FOR MANUFACTURING DISPLAY PANEL   DISPLAY PANEL AND METHOD FOR MANUFACTURING DISPLAY PANEL   DISPLAY BACK PANEL, MANUFACTURING METHODS THEREOF, AND DISPLAY DEVICE   DISPLAY BACK PANEL, MANUFACTURING METHODS THEREOF, AND DISPLAY DEVICE   DISPLAY BACK PANEL, MANUFACTURING METHODS THEREOF, AND DISPLAY DEVICE   DISPLAY BANEL, GUIDING METHOD FOR PREPARING THE SAME, AND DISPLAY DANEL, LIGHT REGULATION DEVICE AND LIGHT REGULATION   DISPLAY BANEL, LIGHT REGULATION DEVICE AND LIGHT REGULATION   DISPLAY BANEL, LIGHT REGULATION DEVICE AND LIGHT REGULATION   DISPLAY BANEL, SYSTEM AND NEAR-EYE DISPLAY DEVICE   DISPLAY BANEL DISPLAY DEVICE   DISPLAY BANEL DISPLAY BANEL DISPLAY DEVICE   DISPLAY BANEL DISPLAY BANEL DISPLAY DEVICE   DISPLAY DEVICE  |                                       |            |            | TOUCH DETECTION METHOD, TOUCH DETECTION DEVICE, AND TOU           |
| 17/433,825   2020-12-07   ND TRANSMISSION METHOD OF DATA SIGNAL  | 70                                    | 17/324,259 | 2021-05-19 | CH DISPLAY DEVICE   |
| 17/478,031   2021-09-17   BACKLIGHT MODULE AND DISPLAY DEVICE   Display Substrate and Preparation Method Thereof, and Display App aratus   |                                       |            |            | DISPLAY ASSEMBLY, DISPLAY APPARATUS, AND DISPLAY METHOD A         |
| Display Substrate and Preparation Method Thereof, and Display App aratus  16/910,092 2020-06-24 aratus  17/324,128 2021-05-19 Display Control System, Display Apparatus and Control Method  75 17/468,584 2021-09-07 LIQUID CRYSTAL DISPLAY DEVICE  76 17/485,155 2021-09-24 BACKLIGHT SOURCE AND DISPLAY DEVICE  77 16/577,601 2019-09-20 DISPLAY SUBSTRATE AND MANUFACTURING METHOD THEREOF, DISPLAY PANEL  NTERSECTION BLIND-GUIDING SYSTEM, BLIND-GUIDING TERMINAL  ARRAY SUBSTRATE AND FABRICATING METHOD THEREOF, AND DISPLAY APPARATUS  80 17/277,679 2020-07-13 TRANSPARENT DISPLAY MODULE AND DISPLAY DEVICE  SENSING SUB-CIRCUIT, CIRCUIT, RECOGNITION METHOD, SENSOR, PANEL AND DE VICE  16/753,955 2019-05-28 L  DISPLAY PANEL AND METHOD FOR MANUFACTURING DISPLAY PANEL  81 16/639,039 2019-07-12 DISPLAY DEVICE  NORGANIC LIGHT-EMITTING DIODE CHIP, METHOD FOR PREPARING THE SAME, AND DISPLAY SUBSTRATE  16/957,243 2019-12-24 OPTICAL SYSTEM AND NEAR-EYE DISPLAY DEVICE  87 16/957,243 2019-12-20 MODULE  88 17/531,274 2021-11-19 PIXEL DRIVING METHOD, DISPLAY PANEL  AND DISPLAY DEVICE  PIXEL DRIVING CIRCUIT, PIXEL DRIVING METHOD, DISPLAY PANEL  AND DISPLAY DEVICE  PIXEL DRIVING CIRCUIT, PIXEL DRIVING METHOD, DISPLAY PANEL  AND DISPLAY DEVICE  PIXEL DRIVING CIRCUIT, PIXEL DRIVING METHOD, DISPLAY PANEL  AND DISPLAY DEVICE  | 71                                    | 17/433,825 | 2020-12-07 | ND TRANSMISSION METHOD OF DATA SIGNAL                             |
| 16/910,092   2020-06-24   aratus   | 72                                    | 17/478,031 | 2021-09-17 | BACKLIGHT MODULE AND DISPLAY DEVICE                               |
| 16/910,092   2020-06-24   aratus   |                                       |            |            | Display Substrate and Preparation Method Thereof, and Display App |
| 17/468,584   2021-09-07   LIQUID CRYSTAL DISPLAY DEVICE  | 73                                    | 16/910,092 | 2020-06-24 | aratus  |
| 17/485,155   2021-09-24   BACKLIGHT SOURCE AND DISPLAY DEVICE  | 74                                    | 17/324,128 | 2021-05-19 | Display Control System, Display Apparatus and Control Method      |
| DISPLAY SUBSTRATE AND MANUFACTURING METHOD THEREOF, DISPLAY PANEL  | 75                                    | 17/468,584 | 2021-09-07 | LIQUID CRYSTAL DISPLAY DEVICE                                     |
| DISPLAY SUBSTRATE AND MANUFACTURING METHOD THEREOF, DISPLAY PANEL  | 76                                    | 17/485,155 | 2021-09-24 | BACKLIGHT SOURCE AND DISPLAY DEVICE                               |
| 77   | · · · · · · · · · · · · · · · · · · · | 1          |            | DISPLAY SUBSTRATE AND MANUFACTURING METHOD THEREOF,               |
| NTERSECTION BLIND-GUIDING SYSTEM, BLIND-GUIDING SYSTEM, BLIND-GUIDING METHOD AND BLIND-GUIDING TERMINAL   ARRAY SUBSTRATE AND FABRICATING METHOD THEREOF, AND DISP LAY APPARATUS   | 77                                    | 16/577,601 | 2019-09-20 | · ·   |
| ARRAY SUBSTRATE AND FABRICATING METHOD THEREOF, AND DISP  SENSING SUB-  CIRCUIT, CIRCUIT, RECOGNITION METHOD, SENSOR, PANEL AND DE  VICE  DISPLAY PANEL AND METHOD FOR MANUFACTURING DISPLAY PANEL  BY 16/639,039 2019-07-12 DISPLAY BACK PANEL, MANUFACTURING METHODS THEREOF, AND DISPLAY DEVICE  INORGANIC LIGHT-  EMITTING DIODE CHIP, METHOD FOR PREPARING THE SAME, AND DISPLAY PANEL, LIGHT REGULATION DEVICE AND LIGHT REGULATION  BY 17/330,510 2021-05-26 N METHODTHEREOF  BY 16/954,937 2019-12-24 OPTICAL SYSTEM AND NEAR-EYE DISPLAY DEVICE  ANTI-  PEEP FILM AND MANUFACTURING METHOD THEREOF, AND DISPLAY MODULE  PIXEL DRIVING CIRCUIT, PIXEL DRIVING METHOD, DISPLAY PANEL  AND DISPLAY DEVICE  |                                       |            |            | INTERSECTION BLIND-GUIDING SYSTEM, BLIND-                         |
| 79   | 78                                    | 16/629,790 | 2019-03-11 | GUIDING METHOD AND BLIND-GUIDING TERMINAL                         |
| 80   17/277,679   2020-07-13   TRANSPARENT DISPLAY MODULE AND DISPLAY DEVICE   SENSING SUB-CIRCUIT, CIRCUIT, RECOGNITION METHOD, SENSOR, PANEL AND DE   81   17/489,605   2021-09-29   VICE   DISPLAY PANEL AND METHOD FOR MANUFACTURING DISPLAY PANE   82   16/753,955   2019-05-28   L DISPLAY BACK PANEL, MANUFACTURING METHODS THEREOF, AND   83   16/639,039   2019-07-12   DISPLAY DEVICE   INORGANIC LIGHT-EMITTING DIODE CHIP, METHOD FOR PREPARING THE SAME, AND DISPLAY PANEL, LIGHT REGULATION DEVICE AND LIGHT REGULATION   17/330,510   2021-05-26   N METHODTHEREOF   N METHODTHEREOF   86   16/954,937   2019-12-24   OPTICAL SYSTEM AND NEAR-EYE DISPLAY DEVICE   ANTI-PEEP FILM AND MANUFACTURING METHOD THEREOF, AND DISPLAY MODULE   PIXEL DRIVING CIRCUIT, PIXEL DRIVING METHOD, DISPLAY PANEL   AND DISPLAY DEVICE   AND DISPLAY DEVICE   AND DISPLAY PANEL   AND DISPLAY DEVICE   AND DISPLAY PANEL   AND DISPLAY DEVICE   PIXEL DRIVING METHOD, DISPLAY PANEL   AND DISPLAY DEVICE   AND DISPLAY DEVICE   PIXEL DRIVING METHOD, DISPLAY PANEL   PIXEL DRIVING METHOD, DISPLAY PANEL   PIXEL DRIVING METHOD DI |                                       |            |            | ARRAY SUBSTRATE AND FABRICATING METHOD THEREOF, AND DISP          |
| SENSING SUB- CIRCUIT, CIRCUIT, RECOGNITION METHOD, SENSOR, PANEL AND DE  81 17/489,605 2021-09-29 VICE  82 16/753,955 2019-05-28 L  83 16/639,039 2019-07-12 DISPLAY BACK PANEL, MANUFACTURING METHODS THEREOF, AND  84 16/767,050 2019-12-13 ISPLAY DEVICE  85 17/330,510 2021-05-26 N METHODTHEREOF  86 16/954,937 2019-12-24 OPTICAL SYSTEM AND NEAR-EYE DISPLAY DEVICE  87 16/957,243 2019-12-20 MODULE  88 17/531,274 2021-11-19 AND DISPLAY DEVICE  88 17/531,274 2021-11-19 AND DISPLAY DEVICE  89 17/531,274 2021-11-19 AND DISPLAY DEVICE  80 17/531,274 2021-11-19 AND DISPLAY DEVICE  | 79                                    | 16/763,786 | 2019-10-31 | LAY APPARATUS   |
| CIRCUIT, CIRCUIT, RECOGNITION METHOD, SENSOR, PANEL AND DE  17/489,605 2021-09-29 VICE  DISPLAY PANEL AND METHOD FOR MANUFACTURING DISPLAY PANEL  16/753,955 2019-05-28 L  DISPLAY BACK PANEL, MANUFACTURING METHODS THEREOF, AND  16/639,039 2019-07-12 DISPLAY DEVICE  INORGANIC LIGHT- EMITTING DIODE CHIP, METHOD FOR PREPARING THE SAME, AND DISPLAY PANEL, LIGHT REGULATION DEVICE AND LIGHT REGULATION N METHODTHEREOF  17/330,510 2021-05-26 N METHODTHEREOF  16/954,937 2019-12-24 OPTICAL SYSTEM AND NEAR-EYE DISPLAY DEVICE  ANTI- PEEP FILM AND MANUFACTURING METHOD THEREOF, AND DISPLAY MODULE  PIXEL DRIVING CIRCUIT, PIXEL DRIVING METHOD, DISPLAY PANEL  AND DISPLAY PANEL  AND DISPLAY PANEL  AND DISPLAY PANEL  | 80                                    | 17/277,679 | 2020-07-13 | TRANSPARENT DISPLAY MODULE AND DISPLAY DEVICE                     |
| 81   17/489,605   2021-09-29   VICE   DISPLAY PANEL AND METHOD FOR MANUFACTURING DISPLAY PANEL     82   16/753,955   2019-05-28   L DISPLAY BACK PANEL, MANUFACTURING METHODS THEREOF, AND     83   16/639,039   2019-07-12   DISPLAY BACK PANEL, MANUFACTURING METHODS THEREOF, AND     84   16/767,050   2019-12-13   ISPLAY SUBSTRATE   DISPLAY SUBSTRATE   DISPLAY PANEL, LIGHT REGULATION DEVICE AND LIGHT REGULATIO     85   17/330,510   2021-05-26   N METHODTHEREOF     86   16/954,937   2019-12-24   OPTICAL SYSTEM AND NEAR-EYE DISPLAY DEVICE   ANTI-PEEP FILM AND MANUFACTURING METHOD THEREOF, AND DISPLAY     87   16/957,243   2019-12-20   MODULE   PIXEL DRIVING CIRCUIT, PIXEL DRIVING METHOD, DISPLAY PANEL     88   17/531,274   2021-11-19   AND DISPLAY DEVICE   |                                       |            |            | SENSING SUB-  |
| DISPLAY PANEL AND METHOD FOR MANUFACTURING DISPLAY PANEL  DISPLAY BACK PANEL, MANUFACTURING METHODS THEREOF, AND  DISPLAY BACK PANEL, MANUFACTURING METHODS THEREOF, AND  DISPLAY DEVICE  INORGANIC LIGHT- EMITTING DIODE CHIP, METHOD FOR PREPARING THE SAME, AND DISPLAY SUBSTRATE  DISPLAY SUBSTRATE  DISPLAY PANEL, LIGHT REGULATION DEVICE AND LIGHT REGULATIO  N METHODTHEREOF  16/954,937 2019-12-24 OPTICAL SYSTEM AND NEAR-EYE DISPLAY DEVICE  ANTI- PEEP FILM AND MANUFACTURING METHOD THEREOF, AND DISPLAY  MODULE  PIXEL DRIVING CIRCUIT, PIXEL DRIVING METHOD, DISPLAY PANEL  AND DISPLAY DEVICE  |                                       | ]          |            | CIRCUIT, CIRCUIT, RECOGNITION METHOD, SENSOR, PANEL AND DE        |
| 82 16/753,955 2019-05-28 L  BISPLAY BACK PANEL, MANUFACTURING METHODS THEREOF, AND DISPLAY DEVICE  INORGANIC LIGHT-EMITTING DIODE CHIP, METHOD FOR PREPARING THE SAME, AND DISPLAY SUBSTRATE  BISPLAY SUBSTRATE  DISPLAY PANEL, LIGHT REGULATION DEVICE AND LIGHT REGULATION N METHODTHEREOF  BISPLAY PANEL, LIGHT REGULATION DEVICE AND LIGHT REGULATION N METHODTHEREOF  BISPLAY PANEL SYSTEM AND NEAR-EYE DISPLAY DEVICE  ANTI-PEEP FILM AND MANUFACTURING METHOD THEREOF, AND DISPLAY PRICE PIXEL DRIVING CIRCUIT, PIXEL DRIVING METHOD, DISPLAY PANEL  BISPLAY PANEL AND DISPLAY DEVICE  BISPLAY SUBSTRATE  DISPLAY PANEL ANTI-PEEP FILM AND NEAR-EYE DISPLAY DEVICE  ANTI-PEEP FILM AND MANUFACTURING METHOD, DISPLAY PANEL  BISPLAY PANEL AND DISPLAY DEVICE  | 81                                    | 17/489,605 | 2021-09-29 | VICE  |
| DISPLAY BACK PANEL, MANUFACTURING METHODS THEREOF, AND DISPLAY DEVICE  INORGANIC LIGHT- EMITTING DIODE CHIP, METHOD FOR PREPARING THE SAME, AND DISPLAY SUBSTRATE  DISPLAY SUBSTRATE  DISPLAY PANEL, LIGHT REGULATION DEVICE AND LIGHT REGULATIO N METHODTHEREOF  86 16/954,937 2019-12-24 OPTICAL SYSTEM AND NEAR-EYE DISPLAY DEVICE ANTI- PEEP FILM AND MANUFACTURING METHOD THEREOF, AND DISPLAY PEEP FILM AND MANUFACTURING METHOD THEREOF, AND DISPLAY MODULE  PIXEL DRIVING CIRCUIT, PIXEL DRIVING METHOD, DISPLAY PANEL AND DISPLAY DEVICE  |                                       |            |            | DISPLAY PANEL AND METHOD FOR MANUFACTURING DISPLAY PANE           |
| 83 16/639,039 2019-07-12 DISPLAY DEVICE INORGANIC LIGHT- EMITTING DIODE CHIP, METHOD FOR PREPARING THE SAME, AND DI SPLAY SUBSTRATE DISPLAY PANEL, LIGHT REGULATION DEVICE AND LIGHT REGULATIO N METHODTHEREOF DISPLAY PANEL, LIGHT REGULATION DEVICE AND LIGHT REGULATIO N METHODTHEREOF ANTI- PEEP FILM AND MANUFACTURING METHOD THEREOF, AND DISPLAY MODULE PIXEL DRIVING CIRCUIT, PIXEL DRIVING METHOD, DISPLAY PANEL AND DISPLAY DEVICE   | 82                                    | 16/753,955 | 2019-05-28 | <u>L</u>  |
| INORGANIC LIGHT- EMITTING DIODE CHIP, METHOD FOR PREPARING THE SAME, AND DI SPLAY SUBSTRATE  DISPLAY PANEL, LIGHT REGULATION DEVICE AND LIGHT REGULATIO N METHODTHEREOF  16/954,937 2019-12-24 OPTICAL SYSTEM AND NEAR-EYE DISPLAY DEVICE ANTI- PEEP FILM AND MANUFACTURING METHOD THEREOF, AND DISPLAY MODULE  PIXEL DRIVING CIRCUIT, PIXEL DRIVING METHOD, DISPLAY PANEL AND DISPLAY DEVICE  |                                       |            |            | DISPLAY BACK PANEL, MANUFACTURING METHODS THEREOF, AND            |
| EMITTING DIODE CHIP, METHOD FOR PREPARING THE SAME, AND DISPLAY SUBSTRATE  DISPLAY SUBSTRATE  DISPLAY PANEL, LIGHT REGULATION DEVICE AND LIGHT REGULATION N METHODTHEREOF  16/954,937 2019-12-24 OPTICAL SYSTEM AND NEAR-EYE DISPLAY DEVICE  ANTI- PEEP FILM AND MANUFACTURING METHOD THEREOF, AND DISPLAY MODULE  PIXEL DRIVING CIRCUIT, PIXEL DRIVING METHOD, DISPLAY PANEL  AND DISPLAY DEVICE  | 83                                    | 16/639,039 | 2019-07-12 | DISPLAY DEVICE  |
| 84 16/767,050 2019-12-13 SPLAY SUBSTRATE  DISPLAY PANEL, LIGHT REGULATION DEVICE AND LIGHT REGULATIO  85 17/330,510 2021-05-26 N METHODTHEREOF  86 16/954,937 2019-12-24 OPTICAL SYSTEM AND NEAR-EYE DISPLAY DEVICE  ANTI- PEEP FILM AND MANUFACTURING METHOD THEREOF, AND DISPLAY MODULE  87 16/957,243 2019-12-20 MODULE  PIXEL DRIVING CIRCUIT, PIXEL DRIVING METHOD, DISPLAY PANEL  AND DISPLAY DEVICE   |                                       |            |            |   |
| DISPLAY PANEL, LIGHT REGULATION DEVICE AND LIGHT REGULATIO  85 17/330,510 2021-05-26 N METHODTHEREOF  86 16/954,937 2019-12-24 OPTICAL SYSTEM AND NEAR-EYE DISPLAY DEVICE  ANTI- PEEP FILM AND MANUFACTURING METHOD THEREOF, AND DISPLAY MODULE  87 16/957,243 2019-12-20 MODULE  PIXEL DRIVING CIRCUIT, PIXEL DRIVING METHOD, DISPLAY PANEL  88 17/531,274 2021-11-19 AND DISPLAY DEVICE  |                                       |            |            | EMITTING DIODE CHIP, METHOD FOR PREPARING THE SAME, AND D         |
| 85 17/330,510 2021-05-26 N METHODTHEREOF  86 16/954,937 2019-12-24 OPTICAL SYSTEM AND NEAR-EYE DISPLAY DEVICE  ANTI- PEEP FILM AND MANUFACTURING METHOD THEREOF, AND DISPLAY  87 16/957,243 2019-12-20 MODULE  PIXEL DRIVING CIRCUIT, PIXEL DRIVING METHOD, DISPLAY PANEL  88 17/531,274 2021-11-19 AND DISPLAY DEVICE   | 84                                    | 16/767,050 | 2019-12-13 |   |
| 86 16/954,937 2019-12-24 OPTICAL SYSTEM AND NEAR-EYE DISPLAY DEVICE ANTI- PEEP FILM AND MANUFACTURING METHOD THEREOF, AND DISPLAY MODULE PIXEL DRIVING CIRCUIT, PIXEL DRIVING METHOD, DISPLAY PANEL AND DISPLAY DEVICE   |                                       |            |            | DISPLAY PANEL, LIGHT REGULATION DEVICE AND LIGHT REGULATIO        |
| ANTI- PEEP FILM AND MANUFACTURING METHOD THEREOF, AND DISPLAY MODULE PIXEL DRIVING CIRCUIT, PIXEL DRIVING METHOD, DISPLAY PANEL AND DISPLAY DEVICE   | 85                                    | 17/330,510 | 2021-05-26 | N METHODTHEREOF   |
| PEEP FILM AND MANUFACTURING METHOD THEREOF, AND DISPLAY 16/957,243 2019-12-20 MODULE PIXEL DRIVING CIRCUIT, PIXEL DRIVING METHOD, DISPLAY PANEL AND DISPLAY DEVICE   | 86                                    | 16/954,937 | 2019-12-24 |   |
| 87         16/957,243         2019-12-20         MODULE           PIXEL DRIVING CIRCUIT, PIXEL DRIVING METHOD, DISPLAY PANEL           88         17/531,274         2021-11-19         AND DISPLAY DEVICE   |                                       |            |            | ANTI-   |
| PIXEL DRIVING CIRCUIT, PIXEL DRIVING METHOD, DISPLAY PANEL AND DISPLAY DEVICE  |                                       |            |            | PEEP FILM AND MANUFACTURING METHOD THEREOF, AND DISPLAY           |
| 88 17/531,274 2021-11-19 AND DISPLAY DEVICE  | 87                                    | 16/957,243 | 2019-12-20 | d   |
|  | ]                                     |            |            | PIXEL DRIVING CIRCUIT, PIXEL DRIVING METHOD, DISPLAY PANEL        |
| 89   17/333,226   2021-05-28   DISPLAY SUBSTRATE AND DISPLAY PANEL   | 88                                    | 17/531,274 | 2021-11-19 | AND DISPLAY DEVICE  |
|  | 89                                    | 17/333,226 | 2021-05-28 | DISPLAY SUBSTRATE AND DISPLAY PANEL                               |

| 90 | 17/551,398 | 2021-12-15 | DISPLAY DEVICE AND CONTROL METHOD THEREOF                   |
|----|------------|------------|---|
|    |            |            | MASK AND MANUFACTURING METHOD THEREOF, FINE METAL MAS       |
| 91 | 16/959,409 | 2019-11-29 | K, MASK DEVICE AND USE METHOD THEREOF                       |
|    |            |            | INTERACTIVE DEVICE, SENSING SCREEN, INTERACTIVE SYSTEM, AND |
| 92 | 17/427,620 | 2021-01-07 | POSITIONING METHOD  |
| 93 | 17/480,065 | 2021-09-20 | BACKLIGHT MODULE AND DISPLAY DEVICE                         |
|    |            |            | ARRAY SUBSTRATE AND MANUFACTURING METHOD THEREOF, AND       |
| 94 | 16/908,878 | 2020-06-23 | DISPLAY PANEL   |
|    |            |            | TARGET RESOURCE OPERATION METHOD, NODE DEVICE, TERMINAL     |
| 95 | 16/766,560 | 2018-11-20 | DEVICE AND COMPUTER-READABLE STORAGE MEDIUM                 |
| 96 | 17/476,798 | 2021-09-16 | PIXEL DRIVING STRUCTURE AND DISPLAY PANEL                   |

**RECORDED: 11/02/2022**