## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7553094

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
BOE TECHNOLOGY GROUP CO., LTD.	09/20/2022

#### **RECEIVING PARTY DATA**

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

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

Property Type	Number
Application Number:	16619227

#### **CORRESPONDENCE DATA**

**Fax Number:** (516)228-8516

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:** 15162288484

Email:jpalmet@dilworthbarrese.comCorrespondent Name:DILWORTH & BARRESE LLPAddress Line 1:1000 WOODBURY ROAD

Address Line 2: SUITE 405

Address Line 4: WOODBURY, NEW YORK 11797

ATTORNEY DOCKET NUMBER:	1734-561
NAME OF SUBMITTER:	MICHAEL J. MUSELLA
SIGNATURE:	/mjm/
DATE SIGNED:	09/22/2022

### **Total Attachments: 8**

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> PATENT REEL: 061184 FRAME: 0272

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PATENT REEL: 061184 FRAME: 0273 **ASSIGNMENT** 

THIS ASSIGNMENT is made and entered into by and between BOE

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

Jiuxianqiao 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]

1/8

PATENT REEL: 061184 FRAME: 0274 IN WITNESS WHEREOF, Assignor and Assignee have caused this Assignment to be executed by their duly authorized representatives.

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

Ву:	Xingra LZ.
Name:	V
Title:	Head of Technology & IP anagement Center / Vice President
Date:	Sep. 20, 2022

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

Ву:	Lingue LI.
Name:	Xinguo LI
Title:	General Manager
Date:	5ep. 20 2022

# SCHEDULE A

	US		
	Application		
	1	miles need	70".18
No	Number	Filed Date	Title
	* 6 (0.0 6 5.0 7	2042 02 42	ARRAY SUBSTRATE, MANUFACTURING METHOD THEREOF, DISPLAY
1	16/096,587	2018-03-12	·
	* C / 222 27C	2042 07 27	TOUCH SUBSTRATE, MANUFACTURING METHOD THEREOF, AND DIS
2	16/339,076	<b>{</b>	PLAY DEVICE
3	15/780,323	<del> </del>	LIGHT FIELD DISPLAY DEVICE
4	16/491,409	2019-04-03	DISPLAY PANEL AND PREPARATION METHOD THEREOF
			ARRAY SUBSTRATE, METHOD FOR FABRICATING THE SAME DISPLAY
5	16/665,410	2019-10-28	PANEL, AND DISPLAY DEVICE
			DISPLAY SUBSTRATE, METHOD FOR DRIVING THE SAME AND DISPLA
6	16/072,822	2017-11-29	
			DISPLAY SUBSTRATE HAVING WAVELENGTH-
	4 E (DED 0 4 E	2042 24 20	ACTUATABLE COLOR FILTER, DISPLAY APPARATUS HAVING THE SAM
7	16/073,048	2018-01-09	
8	16/338,799	2018-09-06	
			DISPLAY BACKPLANE AND MANUFACTURING METHOD THEREOF, AN
9	16/333,997	2018-10-31	<del>-</del>
1.0	4.0 (0.07) 4.0.0		TOUCH CONTROL DEVICE, TOUCH CONTROL DISPLAY SUBSTRATE AN
10	16/397,498	2019-04-29	·
	45/455 727	2040 44 04	ORGANIC LIGHT EMITTING DIODE AND MANUFACTURING METHOD
11	16/466,737	<del></del>	THEREOF, DISPLAY PANEL
12	16/638,609	2018-10-31	<del>~</del>
	4 = 14 = 0 = 0 = 0	204244	DETECTION TARGET POSITIONING DEVICE, DETECTION TARGET POSI
13	16/182,950	2018-11-07	TIONING METHOD, AND SIGHT TRACKING DEVICE
	45/027042	224 42 42	PIXEL CIRCUIT AND METHOD FOR DRIVING PIXEL CIRCUIT, DISPLAY P
14	16/337,042		ANEL AND ELECTRONIC DEVICE
15	16/509,323	2019-07-11	Orthopedics Restoration Fixation Device
			ACOUSTIC WAVE SIGNAL READING CIRCUITS, CONTROL METHODS,
16	16/605,204	2019-05-13	AND ACOUSTIC WAVE SIGNAL READING APPARATUSES
			DEVICE AND METHOD OF OBJECTIVE IDENTIFICATION AND DRIVING
17	16/066,799	2017-10-24	ASSISTANCE DEVICE
			PIXEL CIRCUIT, DISPLAY PANEL, AND TEMPERATURE COMPENSATIO
18	16/605,414	2019-04-18	N METHOD FOR DISPLAY PANEL
			Data Processing Method, Medical Term Processing System and Med
19	15/953,234	2018-04-13	cal Diagnostic System
			METHOD FOR MANUFACTURING ARRAY SUBSTRATE, INTERMEDIAT
20	16/316,615	2018-05-10	E ARRAY SUBSTRATE PRODUCT, AND ARRAY SUBSTRATE
			OLED DISPLAY PANEL AND MANUFACTURING METHOD THEREOF, O
21	16/322,826	2018-06-06	LED DISPLAY DEVICE
	1 101055000	<b>でハヤロ-ハむ-ハ</b> ロ	per rios est perice

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			PACIFICATION METHOD, APPARATUS, AND SYSTEM BASED ON EMO
			TION RECOGNITION, COMPUTER DEVICE AND COMPUTER READABL
22	16/472,012	2018-12-05	<u></u>
			IMAGE INFORMATION GENERATION METHOD, PULSE WAVE MEASU
23	16/485,763	2019-01-15	REMENT SYSTEM AND ELECTRONIC DEVICE
24	16/618,869	2019-03-25	ARRAY SUBSTRATE AND DISPLAY APPARATUS
			DISPLAY PANEL, DISPLAY DEVICE, AND METHOD FOR MANUFACTURI
25	16/643,619	2019-01-22	NG DISPLAY PANEL
			EYEGLASS AND METHOD FOR ADJUSTING INCIDENT LIGHT INTO EYE
26	16/768,388	2019-12-25	\$
			BONE REPAIR MATERIAL AND PREPARATION METHOD THEREOF, AN
27	16/639,193	2019-06-21	D BIOLOGICAL COMPOSITE SCAFFOLD
			SPEED SENSOR, DEVICE FOR MEASURING SPEED AND METHOD THE
28	16/714,445	2019-12-13	
			TRANSFER DEVICE, TRANSFER METHOD AND VACUUM EVAPORATIO
29	16/068,493	2017-12-15	~ <del> </del>
			PROTECTIVE FILM FOR DISPLAY, PRODUCTION METHOD THEREOF, A
30	16/390,452	2019-04-22	
			SIGNAL RECEIVING METHOD AND APPARATUS, AND COMPUTER-
31	16/606,957	2019-03-22	~- <del></del>
			LIGHT-
			EMITTING DIODE CHIP, METHOD FOR FABRICATING THE SAME, BAC
32	16/335,572	2018-10-17	
33	16/599,947	2019-10-11	DISPLAY DEVICE AND METHOD FOR CONTROLLING THE SAME
			DOUBLE-
			SIDED DISPLAY PANEL AND MANUFACTURE METHOD THEREOF, AND
34	16/490,194	2019-03-21	DOUBLE-SIDED DISPLAY DEVICE
35	16/496,646	2019-02-25	
			LIGHT EMITTING DIODE AND FABRICATING METHOD THEREOF, DISP
36	16/484,631	2018-09-19	
			ELECTROCHEMICAL DETECTION ELECTRODE AND MANUFACTURING
37	16/621,351	2019-06-19	
			PHOTONIC CRYSTAL, DISPLAY PANEL, LIGHT CONVERSION DEVICE A
38	16/605,974	2019-04-18	ND GLASSES
20			FINGERPRINT RECOGNITION MODULE, DRIVING METHOD THEREOF,
39	16/642,804	2019-09-12	MANUFACTURING METHOD THEREOF AND DISPLAY DEVICE
40	16/536,541	2019-08-09	BEZEL MEMBER, CONTROL METHOD THEREOF AND BEZEL DEVICE
			DISPLAY SUBSTRATE AND METHOD OF MANUFACTURING THE SAME
41	16/880,592	2020-05-21	AND DISPLAY PANEL
			NAMED ENTITY RECOGNITION METHOD, NAMED ENTITY RECOGNITI
42	16/652,233	2019-08-28	ON DEVICE, EQUIPMENT AND MEDIUM
			FLEXIBLE DISPLAY PANEL, FLEXIBLE DISPLAY DEVICE AND
43	17/043,205	2020-03-17	DEFORMATION DETECTION METHOD THEREOF
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ſ	1	<u></u>	FLEXIBLE SUBSTRATE, TOUCH DISPLAY SUBSTRATE,
			MANUFACTURING METHODS THEREOF, AND TOUCH DISPLAY
44	16/062,313	2017-11-06	1
	20,002,020		CHARGING DOCK, ELECTRONIC PRODUCT, CHARGING SYSTEM AND
45	15/944,058	2018-04-03	CHARGING METHOD
<u> </u>			MICROFLUIDIC DEVICE AND DETECTION METHOD THEREFOR AND M
46	16/632,931	2019-01-02	CROFLUIDIC DETECTION ASSEMBLY
			INTEGRATED PHOTO-
			SENSING DETECTION DISPLAY APPARATUS AND METHOD OF FABRIC
			ATING INTEGRATED PHOTO-
47	16/626,779	2018-12-03	SENSING DETECTION DISPLAY APPARATUS
			ARRAY SUBSTRATE, MANUFACTURING METHOD THEREOF, AND DIS
48	16/932,902	2020-07-20	PLAY DEVICE
			Virtual Tourism Method, Client, Server, System, Acquisition Device,
49	16/908,759		and Medium
50	17/254,649	2020-03-24	TOUCH SUBSTRATE AND TOUCH DISPLAY DEVICE
51	16/651,581	2019-04-29	CELL DETECTION METHOD AND CELL DETECTION DEVICE
52	16/769,565	2019-09-24	DISPLAY DEVICE
			WIRE STRUCTURE, DISPLAY PANEL, DISPLAY DEVICE AND MANUFAC
53	16/756,144	2019-09-24	TURING METHOD
54	16/825,172	2020-03-20	······································
			FLEXIBLE DISPLAY PANEL, METHOD FOR MANUFACTURING THE
55	16/862,225	2020-04-29	SAME AND DISPLAY DEVICE
			POLARIZING DEVICE AND METHOD FOR PREPARING THE SAME, DISP
56_	16/640,195	2019-05-09	LAY SUBSTRATE AND DISPLAY DEVICE
r-7	15 (001 071	2020 83 42	DISPLAY PANEL, METHOD OF MANUFACTURING DISPLAY PANEL, AN
57	16/981,921	***************************************	D MASK PLATE  STRETCHABLE DISPLAY PANEL AND DISPLAY DEVICE
58	17/040,485		
59	17/209,534	2021-03-23	BACKLIGHT ASSEMBLY AND DISPLAY DEVICE DISPLAY BACKPLATE AND MANUFACTURING METHOD THEREOF, AN
60	17/041,495	2020 02 02	D DISPLAY DEVICE
80	177041,455	2020-03-02	MANUFACTURING METHOD OF FLEXIBLE ELECTRONIC SUBSTRATE A
61	16/765,056	2019-05-21	ND SUBSTRATE STRUCTURE
62	16/980,799	2019-11-04	······································
63	16/760,847	2019-09-17	METHOD AND DEVICE FOR OBJECT DETECTION
	20/700,047	2015-05-17	DISPLAY PANEL AND MANUFACTURING METHOD THEREOF, DISPLAY
64	16/772,937	2019-08-23	DEVICE
<u>~</u>	,		METHOD FOR MANUFACTURING ARRAY SUBSTRATE, ARRAY SUBSTR
65	16/760,009	2018-09-28	ATE AND DISPLAY DEVICE
<u> </u>			DEVICE FOR STEREOSCOPIC DISPLAYING AND METHOD FOR CONTR
66	17/263,980	2020-07-23	OLLING THE SAME
<b></b>		······	TOUCH STRUCTURE, TOUCH DISPLAY PANEL AND TOUCH DISPLAY A
67	17/419,842	2020-07-21	PPARATUS
			MICROFLUIDIC CONTROL CHIP, MICROFLUIDIC APPARATUS, AND M
68	16/469,366	2018-11-30	ANUFACTURING METHOD THEREOF

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~~	10/000 700	ማለፈብ ላሶ ንግ	DIGITAL MICROFLUIDIC CHIP, METHOD FOR DRIVING THE SAME, AN
69	16/641,756	2019-06-27	D DIGITAL MICROFLUIDIC DEVICE
70	17/256,186	2019-10-14	ARRAY SUBSTRATE AND DISPLAY DEVICE
			DISPLAYING BASE PLATE AND FABRICATING METHOD THEREOF, AN
71	17/191,045	2021-03-03	D DISPLAY PANEL
			DISPLAY MODULE, DISPLAY DEVICE AND METHOD OF FORMING DIS
72	17/212,058	2021-03-25	
			VISIBLE LIGHT COMMUNICATION APPARATUS AND FABRICATING M
73	16/769,687	2019-12-23	
74	17/054,902	2020-04-20	DISPLAY PANEL AND METHOD OF MANUFACTURING DISPLAY PANE
			SHIFT REGISTER CIRCUIT AND METHOD OF DRIVING THE SAME, GAT
75	17/261,652	2020-04-07	E DRIVER CIRCUIT, AND DISPLAY APPARATUS
			DRIVING CIRCUIT AND DRIVING METHOD THEREOF, DISPLAY PANEL,
76	17/333,114	2021-05-28	AND DISPLAY DEVICE
77	16/944,000	2020-07-30	LIGHT GUIDE PLATE, BACKLIGHT MODULE AND DISPLAY DEVICE
			DISPLAY SUBSTRATE, DISPLAY APPARATUS AND MANUFACTURING
78	16/607,932	2019-04-30	~
			ARRAY SUBSTRATE AND MANUFACTURING METHOD THEREOF, DISP
79	16/619,249	2019-05-22	LAY PANEL AND DISPLAY APPARATUS
			PIXEL DRIVE CIRCUIT, PIXEL UNIT, DRIVING METHOD, ARRAY SUBSTR
80	17/424,408	2020-09-10	ATE, AND DISPLAY APPARATUS
			DISPLAY PANEL, DISPLAY DEVICE AND METHOD FOR DRIVING THE S
81	17/330,489	2021-05-26	······································
	_		DISPLAY APPARATUS AND METHOD FOR MANUFACTURING THE
82	17/205,050	2021-03-18	······································
			POSITIVE PHOTORESIST COMPOSITION, VIA-
83	16/300,474	2018-04-25	FORMING METHOD, DISPLAY SUBSTRATE AND DISPLAY DEVICE
			METHOD FOR EVALUATING DEVICE ENVIRONMENTAL NOISE, APPAR
84	16/768,532	2019-12-13	ATUS, MEDIUM AND ELECTRONIC DEVICE
			SIGNAL TRANSMISSION METHOD, SIGNAL TRANSMISSION APPARAT
85	16/651,740	2019-03-26	US AND DISPLAY DEVICE
			ARRAY SUBSTRATE, DISPLAY APPARATUS, AND METHOD OF FABRIC
86	16/771,038	2019-06-25	ATING ARRAY SUBSTRATE
			DUAL-
^~	45555555	*******	DIE DEVICE, DISPLAY DEVICE AND DRIVING METHOD OF DISPLAY DE
87	16/762,270	2019-12-04	·
88	17/358,052	2021-06-25	COUNTER SUBSTRATE AND DISPLAY PANEL
<u>.</u> .			DISPLAY SUBSTRATE AND PREPARATION METHOD THEREOF, AND D
89	16/767,663	······	·
90	17/251,867	2020-05-14	LIGHT ADJUSTING GLASS
			LIGHT EMITTING DEVICE AND METHOD FOR MANUFACTURING THE
91	16/825,922	2020-03-20	SAME, AND DISPLAY DEVICE
			runce
an	15/777 007	מר מת מונה	THREE-
92	16/772,902	2019-08-26	DIMENSIONAL DISPLAY APPARATUS AND VIRTUAL REALITY DEVICE

	<del>,</del>		<b>1</b> 3.2
	47/00F COF	****	OUTPUT CONTROL CIRCUIT, METHOD FOR TRANSMITTING DATA AN
93	17/095,606	2020-11-11	.)
04	andree one	2020 05 42	DRIVING SUBSTRATE, METHOD FOR PREPARING THE SAME, AND DIS
94	17/265,806	2020-05-13	PLAY DEVICE TOUCH PANEL AND TOUCH DISPLAY DEVICE WITH SENSING ELECTR
95	17/410 595	2020-09-03	ODES FORMED BY A PLURALITY OF CONDUCTIVE LINES
<b>}</b>	17/419,585	·····	***************************************
96	16/650,654	2019-02-22	BATTERY AND MANUFACTURING METHOD THEREOF
97	17/036,792	2020-09-29	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
00	40/040 000	2010 02 20	ARRAY SUBSTRATE, MANUFACTURING METHOD THEREOF, AND DIS
98	16/619,227	2019-03-29	<u></u>
99	16/911 411	2020 02 06	DISPLAY DEVICE, METHOD FOR CONTROLLING THE SAME, AND DISP
33	16/811,411	2020-03-06	LAY PANEL ELECTRONIC SUBSTRATE, MANUFACTURING METHOD THEREOF, AN
100	16/907,743	2020-06-22	•
<del></del>	~ <del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>	<del></del>	
101	17/255,516	2020-04-17	VARIABLE DIAPHRAGM AND CONTROL METHOD THEREOF
102	16/982,370	2020-04-21	DISPLAY SUBSTRATE, METHOD OF FORMING THE SAME AND DISPLA Y DEVICE
10%	10/362,370	2020-04-21	METHOD AND APPARATUS FOR CONTROLLING VIRTUAL REALITY DIS
103	16/766,583	2019-05-24	<b>}</b>
703	10//00,303	2013-03-24	PIXEL STRUCTURE, METHOD OF DRIVING THE SAME AND DISPLAY D
104	16/957,659	2019-12-26	· ·
	120,007,000		DISPLAY METHOD, DISPLAY CONTROL METHOD, DISPLAY TERMINAL,
105	17/280,103	2020-04-30	SERVER AND DISPLAY SYSTEM
106	17/218,256	2021-03-31	•••••••••••••••••••••••••••••••••••••••
107	17/334,413	2021-05-28	······································
<b></b>			METHOD FOR SENDING DRIVING DATA OF BACKLIGHT SOURCE, CON
108	17/194,435	2020-01-08	TROL CIRCUIT AND DISPLAY DEVICE
			DISPLAY PANEL AND METHOD OF MANUFACTURING THE SAME, AN
109	16/640,486	2019-07-24	D DISPLAY DEVICE
110	17/417,318	2020-09-18	PIXEL CIRCUIT, DRIVING METHOD AND DISPLAY DEVICE
			LED ASSEMBLY, LIGHT SOURCE AND LIQUID CRYSTAL DISPLAY DEVIC
111	17/441,958	2021-02-18	E
112	17/462,608	2021-08-31	TOUCH STRUCTURE AND DISPLAY APPARATUS
			IMAGE DISPLAY PROCESSING METHOD AND DEVICE, DISPLAY DEVIC
113	17/241,618	2019-05-01	E AND NON-VOLATILE STORAGE MEDIUM
			PIXEL DRIVING CIRCUIT, METHOD OF DRIVING THE SAME AND DISPL
114	16/977,220	2019-11-29	AY DEVICE
			CURVED-SURFACE VEHICLE-MOUNTED DISPLAY MODULE, VEHICLE-
115	17/187,205	2021-02-26	MOUNTED DISPLAY DEVICE, AND VEHICLE
			TOUCH DISPLAY DEVICE, TOUCH RESPONSE METHOD AND SYSTEM T
116	17/280,320	2020-05-28	HEREOF, AND STORAGE MEDIUM
			ARRAY SUBSTRATE, DISPLAY DEVICE AND METHOD FOR REPAIRING
117	16/640,186	2019-04-23	WIRE BREAK OF ARRAY SUBSTRATE
			TACTILE REPRODUCTION DEVICE, METHOD FOR DRIVING SAME, AN
118	17/485,227	2021-09-24	D TACTILE REPRODUCTION APPARATUS

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Y DEVICE
EMBLY AND DISPLAY DEVICE
MICROFLUIDIC APPARATUS, A
DRIVE METHOD
RATUS
TURING METHOD THEREOF, AND
RING METHOD THEREOF
DEVICE
PARATION METHOD
LIQUID CRYSTAL DISPLAY DEVICE
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