507437943 08/15/2022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7484861

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BOE TECHNOLOGY GROUP CO., LTD.	07/26/2022

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: 11

Property Type	Number
Application Number:	16766812
Application Number:	16337536
Application Number:	16336995
Application Number:	16641704
Application Number:	17281289
Application Number:	16605588
Application Number:	16072343
Application Number:	16468760
Application Number:	17014262
Application Number:	16632589
Application Number:	16939427

CORRESPONDENCE DATA

Fax Number: (914)288-0023

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.

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Correspondent Name: LEASON ELLIS LLP

Address Line 1: ONE BARKER AVENUE, FIFTH FLOOR Address Line 4: WHITE PLAINS, NEW YORK 10601

PATENT 507437943 REEL: 060804 FRAME: 0573

ATTORNEY DOCKET NUMBER:	10388 BULK ASSIGNMENT
NAME OF SUBMITTER:	SUSIE S. CHENG
SIGNATURE:	/Susie S. Cheng/
DATE SIGNED:	08/15/2022

Total Attachments: 19

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> PATENT REEL: 060804 FRAME: 0574

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]

1/19

IN WITNESS WHEREOF, Assignor and Assignee have caused this Assignment to be executed by their duly authorized representatives.

BOE TECHNOLOGY GROUP CO., LTD.

Ву:	Kingus LI
Name:	Xinguo LI
Title:	Head of Technology & IP anagement Center / Vice President
Date:	July 26, 2022

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

Ву:	Lingus II.	
Name:	Xinguo LI	
Title:	General Manager	.,
Date:	July 26, 2022	

SCHEDULE A

NO	US Application Number	Filed Date	Title
1	16/338,521	2018-11-09	METHOD, SYSTEM AND CONTROL DEVICE FOR CONT ROLLING DISPLAY OF AUGMENTED REALITY DEVICE, AND AUGMENTED REALITY DEVICE
2	16/497,509	2019-03-27	FLEXIBLE DISPLAY PANEL, METHOD FOR FABRICATING THE SAME, AND DISPLAY DEVICE
3	17/003,872	2020-08-26	DISPLAY PANEL AND MANUFACTURING METHOD TH EREFOR
4	16/826,196	2020-03-21	METHOD FOR MANUFACTURING FINGERPRINT RECOGNITION MODULE, FINGERPRINT RECOGNITION MODULE, AND DISPLAY DEVICE
5	17/263,305	2020-03-31	DISPLAY PANEL AND DISPLAY DEVICE
6	16/483,210	2018-12-27	PIXEL ARRANGEMENT STRUCTURE, DISPLAY METHO D AND PREPARING METHOD OF PIXEL ARRANGEME NT STRUCTURE, AND DISPLAY SUBSTRATE
7	16/770,655	2019-06-13	MASS TRANSFER METHOD AND SYSTEM FOR MICRO LIGHT EMITTING DIODES
8	16/489,578	2019-03-21	MONITORING APPARATUS, VEHICLE, MONITORING METHOD AND INFORMATION PROCESSING APPARA TUS
9	16/316,998	2018-06-15	VEHICLE INFORMATION DISPLAY APPARATUS, SYSTE M AND METHOD
10	16/339,180	2018-08-27	DISPLAY PANEL, METHOD FOR FABRICATING THE SA ME, AND DISPLAY DEVICE
11	17/225,077	2021-04-07	Display Panel and Preparation Method Thereof, and Display Apparatus
12	16/240,022	2019-01-04	SMART PATCH AND METHOD FOR FABRICATING THE SAME
13	16/484,621	2019-01-25	PIXEL CIRCUIT AND METHOD OF DRIVING THE SAME, DISPLAY DEVICE
14	17/530,101	2021-11-18	PIXEL CIRCUIT, PIXEL DRIVING METHOD AND DISPLAY DEVICE

15	16/630,199	2019-06-05	ULTRASONIC SIGNAL DETECTING CIRCUIT, ULTRASO NIC SIGNAL DETECTING METHOD, AND DISPLAY PA NEL
16	16/772,312	2020-02-19	DISPLAY PANEL, DISPLAY METHOD THEREOF, AND DI SPLAY APPARATUS
17	16/966,394	2020-01-17	FINGERPRINT IDENTIFICATION MODULE, MANUFACT URING METHOD THEREOF AND ELECTRONIC DEVICE
18	16/076,451	2018-01-23	TRASH SORTING AND RECYCLING METHOD, TRASH SORTING DEVICE, AND TRASH SORTING AND RECYC LING SYSTEM
19	16/457,843	2019-06-28	TADF POLYMER AND QUANTUM DOT MATERIAL, ME THODS OF PREPARING THE SAME, AND APPLICATIO NS THEREOF
20	16/500,656	2019-03-25	COMMODITY RECOMMENDATION METHOD AND COMMODITY RECOMMENDATION DEVICE
21	17/040,964	2020-03-18	QUANTUM DOT ELECTROLUMINESCENT ELEMENT, D ISPLAY PANEL AND DISPLAY DEVICE
22	16/643,464	2019-03-11	MICROFLUIDIC CHANNEL AND PREPARATION METH OD AND OPERATION METHOD THEREOF
23	16/986,540	2020-08-06	DISPLAY APPARATUS AND DISPLAY SYSTEM FOR DISPLAYING LOCAL INFORMATION AND REMOTE INFORMATION
24	16/633,075	2019-07-25	FLEXIBLE DISPLAY DEVICE
25	16/614,813	2019-03-27	WIRE LAYOUT OF PIXEL DRIVING CIRCUIT, DISPLAY P ANEL, AND DISPLAY DEVICE
26	16/499,148	2019-03-11	MAKEUP SCHEME RECOMMENDATION METHOD AN D DEVICE, CLOUD DEVICE, AND ELECTRONIC DEVICE
27	17/265,246	2020-03-12	PIXEL CIRCUIT, DRIVING METHOD THEREOF AND DISPLAY DEVICE
28	16/983,763	2020-08-03	DISPLAY DEVICE ASSEMBLY HAVING MIRROR SURFA CE
29	16/328,372	2018-07-02	PIXEL CIRCUIT, DRIVING METHOD THEREOF AND DIS PLAY DEVICE
30	16/766,812	2019-12-13	DRIVE CIRCUIT AND DRIVE METHOD FOR DIMMING GLASS, AND DIMMING GLASS DEVICE
31	16/614,365	2019-04-30	SHIFT REGISTER CIRCUIT AND DISPLAY DEVICE

32	17/054,845	2019-12-06	ULTRASONIC FINGERPRINT IDENTIFICATION COMPO NENT, FINGERPRINT IDENTIFICATION DEVICE AND FI NGERPRINT IDENTIFICATION DRIVING METHOD
33	16/605,941	2019-03-18	CONTROL METHOD OF IGALLERY, CONTROL SYSTEM OF IGALLERY, AND COMPUTER READABLE STORAGE MEDIUM
34	16/305,712	2018-03-16	LIGAND- MODIFIED QUANTUM DOT COMPOSITION, LIGAND- MODIFIED QUANTUM DOT LAYER, PREPARATION ME THODS THEREOF, QUANTUM DOT LIGHT EMITTING DIODE
35	16/915,131	2020-06-29	TARGET TRACKING METHOD, DEVICE, SYSTEM AND NON- TRANSITORY COMPUTER READABLE STORAGE MEDI UM
36	15/779,709	2017-09-12	METHOD AND APPARATUS FOR AUTOMATICALLY DI SCOVERING MEDICAL KNOWLEDGE
37	16/464,240	2017-11-22	INFORMATION NOTIFICATION METHOD, APPARATU S AND SYSTEM
38	16/168,333	2018-10-23	COVER PLATE AND MANUFACTURING METHOD THE REOF, ELECTRONIC DEVICE
39	16/649,288	2019-03-29	PIXEL COMPENSATION CIRCUIT, DISPLAY PANEL, DRIVING METHOD AND DISPLAY DEVICE
40	16/337,536	2018-09-25	AUGMENTED REALITY DEVICE, AUGMENTED REALITY SYSTEM AND INFORMATION PROMPT METHOD THE REOF
41	17/254,397	2020-04-27	PROGRAMMABLE LOGIC DEVICE- BASED DATA PROCESSING APPARATUS AND DRIVIN G METHOD THEREFOR, AND DISPLAY APPARATUS
42	17/409,572	2021-08-23	STREAMING MEDIA DATA PROCESSING METHOD, PR OCESSING SYSTEM AND STORAGE SERVER
43	16/336,995	2018-08-16	IMAGE PROCESSING METHOD, IMAGE PROCESSING DEVICE, AND TRAINING METHOD OF NEURAL NETW ORK
44	16/973,526	2019-10-25	LIQUID CRYSTAL LENS AND METHOD FOR CONTROL LING THE SAME, AND LIQUID CRYSTAL GLASSES

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45	16/835,722	2020-03-31	DISPLAY BACKPLANE, METHOD OF MANUFACTURIN
			G THE SAME AND DISPLAY DEVICE USING THE SAME
46 16/764	16/764,081	2019-12-04	DISPLAY BACKPLATE AND FABRICATING METHOD TH
	(0)/07/00(#0 (2:12-04	EREOF, AND DISPLAY APPARATUS
47	16/617,891	2019-01-29	Quantum Dot Light Emitting Diode and Method for
	10/017,031	2019-01-23	Manufacturing the Same, and Display Panel
	·		PHOTODYNAMIC ENERGY ELECTRONIC LABEL, WOR
48	16/499,994	2019-04-10	KING METHOD THEREOF, MANAGING METHOD AND
			MANAGING APPARATUS THEREOF
49	17/244,979	2021-04-30	Display panel and Preparation Method Thereof, and
49	17/244,919	2021-04-30	Display Apparatus
50	16/650,601	2019-10-14	ARRAY SUBSTRATE, DRIVING METHOD, ORGANIC LIG
30	10/020/001	2019-10-14	HT EMITTING DISPLAY PANEL AND DISPLAY DEVICE
51	17/179,699	2019-08-20	SHIFT REGISTER, DRIVING METHOD THEREOF, GATE
31	17/1/3/033	2015-00-20	DRIVING CIRCUIT AND DISPLAY DEVICE
			SHIFT REGISTER UNIT AND METHOD FOR DRIVING
52	17/275,068	2020-04-24	THE SAME, GATE DRIVING CIRCUIT AND DISPLAY
<u> </u>			DEVICE
53	16/958,120	2020-01-17	PHOTODIODE, METHOD FOR PREPARING THE SAME,
	10/950,120		AND ELECTRONIC DEVICE
54 16/767.4	16/767,456	6 2019-07-02	PIXEL DRIVING CIRCUIT, RELATED DRIVING METHOD,
	10) (01)		PIXEL CIRCUIT, AND DISPLAY PANEL
55	16/768,924	2019-12-04	METHOD FOR MANUFACTURING DISPLAY PANEL, DI
دد	10//00/324		SPLAY PANEL, AND DISPLAY APPARATUS
56	17/048,705	2020-04-24	ROLLABLE DISPLAY DEVICE
57	17/265,325	2020-03-17	PIXEL CIRCUIT, DRIVING METHOD THEREOF AND DIS
	17/200,323	2020-03-17	PLAY DEVICE
	16/017527	2020 06 20	DISPLAY SUBSTRATE, MANUFACTURING METHOD
58	16/917,527	2020-06-30	THEREOF, DISPLAY PANEL, AND DISPLAY DEVICE
			GAZE-
	16/335,952	2018-09-19	POINT DETERMINING METHOD, CONTRAST ADJUSTI
59			NG METHOD, AND CONTRAST ADJUSTING APPARAT
			US, VIRTUAL REALITY DEVICE AND STORAGE MEDIU
			M
60	16/769,725	6/769,725 2019-08-20	ARRAY SUBSTRATE, DISPLAY APPARATUS, AND MET
			HOD OF FABRICATING ARRAY SUBSTRATE
l			

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61	16/835,611	2020-03-31	ARRAY SUBSTRATE, DISPLAY PANEL AND DISPLAY DEVICE
62	17/337,687	2018-05-15	DISPLAY PANEL AND DISPLAY DEVICE
		DISPLAY PANEL, DISPLAY DEVICE AND METHOD FOR	
63	16/649,530	2019-09-27	MANUFACTURING DISPLAY PANEL
	······		BACK-
64	17/043,745	2020-04-29	FILM STRUCTURE, FLEXIBLE DISPLAY PANEL AND DIS
		·	PLAY DEVICE
			SUBSCRIPTION SERVER, SUBSCRIPTION TERMINAL, I
65.	17/054,617	2019-01-31	NFORMATION SUBSCRIPTION METHOD AND SYSTE
			M
			MACHINE-
66	16/631,824	2019-02-20	AIDED DIALOG SYSTEM AND MEDICAL CONDITION I
			NQUIRY APPARATUS AND METHOD
			FINGERPRINT IDENTIFICATION METHOD,
67	17/236,926	2021-04-21	FINGERPRINT IDENTIFICATION STRUCTURE AND
	ļ		DISPLAY DEVICE
68	68 16/767,351	2019-12-18	SEMICONDUCTOR APPARATUS, PIXEL CIRCUIT AND
			CONTROL METHOD THEREOF
69 16/825,754	2020-03-20	METHOD, DEVICE AND SYSTEM FOR ENCRYPTING IN	
	. 0, 120, 101	2020 00 20	TERACTIVE DATA
70	70 16/769,385	2019-08-12	DISPLAY APPARATUS AND METHOD OF FABRICATIN
			G DISPLAY APPARATUS
71	16/768,392	2019-03-21	METHOD OF DISPLAYING PRICE TAG INFORMATION,
			APPARATUS, AND SHELF SYSTEM
			OPTICAL COMMUNICATION DRIVE CIRCUIT AND ME
72	16/769,297	2019-03-29	THOD, OPTICAL COMMUNICATION TRANSMITTER A
<u> </u>			ND SYSTEM, AND VEHICLE
73 16/769,214	16/769,214	214 2019-07-31	ARRAY SUBSTRATE, DISPLAY APPARATUS, AND MET
			HOD OF FABRICATING ARRAY SUBSTRATE
74	17/257,843	2020-03-27	Display Substrate, Display Method and Display device
75			TOUCH CONTROL DISPLAY PANEL,
	17/491,127	17/491,127 2021-09-30	MANUFACTURING METHOD THEREOF, TOUCH
			CONTROL DISPLAY SCREEN AND SPLICED SCREEN

جي سندشم			
76	16/616,962	2018-05-23	OBJECT TRACKING METHOD, OBJECT TRACKING APP ARATUS, VEHICLE HAVING THE SAME, AND COMPUT
	,		ER-PROGRAM PRODUCT
			AUTOMATIC QUESTION ANSWERING METHOD AND
77	16/937,694	2020-07-24	APPARATUS, STORAGE MEDIUM AND SERVER
		0.747.45.04	DISPLAY PANEL, METHOD OF DRIVING DISPLAY PAN
78	16/345,854	2018-11-01	EL, AND DISPLAY DEVICE
			TRANSPARENT DISPLAY SUBSTRATE AND MANUFAC
79	16/964,127	2019-12-20	TURING METHOD THEREFOR, AND TRANSPARENT DI
			SPLAY PANEL
			VOICE CONTROL METHOD, VOICE CONTROL DEVICE,
80	16/641,704	2019-01-22	AND COMPUTER-EXECUTABLE NON-
			VOLATILE STORAGE MEDIUM
81	16/404,180	2019-05-06	UAV Operation Route Planning Method, UAV Pesticid
01	10/404,100	2013-03-00	e Spreading Method and Device
			TONGUE-IMAGE-
82	16/029,256	2018-07-06	BASED DIAGNOSTIC SYSTEM AND DIAGNOSTIC MET
			HOD
83	16/958,499	2019-11-01	REVERSE IMAGE SEARCH METHOD, APPARATUS AND
	10/330,433	2013 11 01	APPLICATION SYSTEM
84	84 16/639,120	2019-03-27	DISPLAY SUBSTRATE, DISPLAY APPARATUS, AND ME
	10,000,120	2013 00 2.	THOD OF FABRICATING DISPLAY SUBSTRATE
85	85 16/343,762	2018-09-03	DISPLAY APPARATUS AND PATTERN IDENTIFICATIO
			N METHOD THEREOF
			DISPLAY PANEL, METHOD OF MANUFACTURING THE
86	17/050,380	2020-04-16	SAME, METHOD OF DRIVING THE SAME AND DISPL
			AY DEVICE
87	16/335,862	2018-09-06	DISPLAY PANEL AND DISPLAY DEVICE
			ELECTROLUMINESCENT DISPLAY PANEL, METHOD F
88	16/958,829	2019-12-25	OR MANUFACTURING THE SAME, AND DISPLAY DEVI
			CE
89	17/076,466	2020-10-21	OPTICALLY CLEAR ADHESIVE FILM AND FLEXIBLE APP
	17,0.0,100		ARATUS
90	16/560,867	0,867 2019-09-04	DISPLAY SUBSTRATE, METHOD FOR MANUFACTURIN
	10/200/001	20,2 03 04	G THE SAME, AND DISPLAY DEVICE
91	16/767,175	2019-12-17	DISPLAY PANEL AND DISPLAY DEVICE

92	17/298,228	2020-07-15	DISPLAY PANEL, DISPLAY MODULE, AND DISPLAY DE
, ,	2020-07-13	VICE AND CONTROL METHOD THEREFOR	
93	17/509,080	2021-10-25	Display Panel, Preparation Method thereof, and Displ
بدو	177303,080	2021-10-23	ay Apparatus
94	16/943,689	2020-07-30	DISPLAY SUBSTRATE, METHOD FOR FABRICATING TH
94	10/945,009	2020-07-30	E SAME, AND DISPLAY DEVICE
95	16/648,706	2019-06-27	TEMPERATURE CONTROL METHOD AND TEMPERATU
93	10/048,700	2019-00-27	RE CONTROL DEVICE
96	16/650,690	2019-10-08	DISPLAY SUBSTRATE, SPLICING SCREEN AND
30	10/030,090	2019-10-08	MANUFACTURING METHOD THEREOF
97	17/281,289	2020-01-13	LIQUID CRYSTAL PANEL AND DISPLAY DEVICE
			TOUCH SUBSTRATE, TOUCH SUBSTRATE DRIVING ME
98	16/444,332	2019-06-18	THOD AND PREPARATION METHOD, AND TOUCH DE
			VICE
	<u> </u>		QUEUING RECOMMENDATION METHOD AND
99	17/257,881	2019-12-17	DEVICE, TERMINAL AND COMPUTER READABLE
			STORAGE MEDIUM
			Panel for Fingerprint Identification, and Control Meth
100	16/892,233	2020-06-03	od thereof, and Apparatus for Fingerprint Identificatio
			n
			DISTRIBUTED VOTING SYSTEM, METHOD, APPARATU
101	16/637,860	2019-07-16	S, COMPUTER DEVICE AND READABLE STORAGE ME
			DIUM
102	16/759,832	2019-06-11	OPTICAL SENSOR DEVICE, METHOD FOR FABRICATIN
102	107.001002	2013 00 11	G THE SAME, DISPLAY DEVICE
			LIGHT-
103	16/959,400	2019-08-27	EMITTING DEVICE, METHOD OF MANUFACTURING T
			HE SAME AND ELECTRONIC APPARATUS
			FINGERPRINT SENSING DISPLAY APPARATUS, METH
104	16/769,210	2019-09-12	OD OF USING FINGERPRINT SENSING DISPLAY APPA
154	10/109/210	2015-05*18	RATUS, AND METHOD OF FABRICATING FINGERPRIN
			T SENSING DISPLAY APPARATUS
105	16/343,765	2018-06-27	DISPLAY SUBSTRATE, MANUFACTURING METHOD TH
103	10/545/105	2010 00 21	EREOF, AND DISPLAY APPARATUS

106	16/612,937	2019-06-24	MICROFLUIDIC APPARATUS, METHOD OF DETECTING SUBSTANCE IN MICROFLUIDIC APPARATUS, AND LI GHT EXTRACTION APPARATUS
107	16/633,493	2018-02-08	METHOD FOR CREATING RESOURCES AND CORRESP ONDING REGISTRATION METHOD, SERVER, AND CLI ENT DEVICE
108	16/766,774	2019-12-11	ARRAY SUBSTRATE AND MICRO TOTAL ANALYSIS DEVICE
109	17/271,530	2020-05-13	POSITIONING METHOD AND APPARATUS OF TARGE T NODE IN WIRELESS AD HOC NETWORK, ELECTRON IC DEVICE, AND MEDIUM
110	16/346,815	2018-11-26	LIP LANGUAGE RECOGNITION METHOD AND MOBIL E TERMINAL
111	17/331,922	2021-05-27	METHOD AND DEVICE FOR CONTROLLING BACKLIG HT BRIGHTNESS, AND DISPLAY DEVICE
112	17/243,915	2021-04-29	PIXEL CIRCUIT HAVING A PLURALITY OF ENABLE SIG NALS AND GATE SIGNALS IN OPPOSITE PHASE AND DRIVING METHOD THEREOF
113	16/279,258	2019-02-19	REHABILITATION TRAINING APPARATUS AND REHAB
114	16/070,035	2018-01-04	TOUCH PANEL AND MANUFACTURING METHOD THE REOF, DISPLAY PANEL AND DISPLAY DEVICE
115	16/074,976	2017-11-14	MANUFACTURING METHOD OF ARRAY SUBSTRATE, ARRAY SUBSTRATE AND DISPLAY DEVICE
116	16/099,915	2018-01-09	PRESSURE TRANSDUCER AND FABRICATION METHO D THEREOF
117	16/485,719	2019-01-24	SHIFT REGISTER UNIT, GATE DRIVING CIRCUIT, DISPL AY DEVICE, AND DRIVING METHOD
118	16/492,936	2019-02-02	DISPLAY PANEL, DISPLAY SUBSTRATETHEREOF AND METHOD OF MAKING THE SAME
119	15/743,253	2017-07-10	SMART BELT
120	16/320,390	2018-05-22	IMAGE PROCESSING METHOD, DRIVE DEVICE, DISPL AY PANEL AND WEARABLE DEVICE
121	16/344,930	2018-09-19	SPECTACLES
122	16/340,893	2018-11-05	DATA TRANSMISSION METHOD, DEVICE, SYSTEM AN D DISPLAY DEVICE

		···	
123	16/334,573	2018-10-25	OPTICAL ASSEMBLY AND VIRTURE REALITY DEVICE
124	16/928,121	2020-07-14	DISPLAY PANEL, METHOD FOR PREPARING DISPLAY
127	10/320,121	2020-01-14	PANEL, AND DISPLAY DEVICE
125	16/605,588	2019-04-08	ARRAY SUBSTRATE AND MANUFACTURING METHOD
123	10/003,366	2019-04-06	THEREOF, DISPLAY PANEL AND ELECTRONIC DEVICE
126	16/335,350	2018-09-06	RENDERING METHOD, COMPUTER PRODUCT AND DI
120	10/333,330	2010-09-00	SPLAY APPARATUS
127	15/934,833	2018-03-23	SHIFT REGISTER, DRIVING METHOD THEREOF, GATE
12.1	13/334,033	2010-03-23	DRIVING CIRCUIT, AND DISPLAY APPARATUS
128	16/937,813	2020-07-24	DISPLAY PANEL AND METHOD OF MANUFACTURING
120	10/337,013	2020-01-24	THE SAME, DISPLAY DEVICE
129	16/320,707	2018-04-24	DRIVING METHOD AND DRIVING CIRCUIT FOR BACK
	10/250/101	2010-04-24	LIGHT, BACKLIGHT AND DISPLAY APPARATUS
			CAMERA CALIBRATION PLATE, CAMERA CALIBRATIO
130	16/739,476	2020-01-10	N METHOD AND DEVICE, AND IMAGE ACQUISITION
			SYSTEM
131	16/704,537	2019-12-05	PIXEL CIRCUIT, DRIVING METHOD THEREOF, ARRAY S
	10/104/33/	2015-12-03	UBSTRATE AND DISPLAY DEVICE
	İ		COMPENSATION APPARATUS AND METHOD OF LIG
132	16/605,616	2019-03-20	HT-
			EMITTING DEVICE, DISPLAY DEVICE, DISPLAY SUBSTR
			ATE AND FABRICATION METHOD THEREOF
			POWER SUPPLY TIME SEQUENCE CONTROL CIRCUIT
133	16/605,217	2019-03-28	AND CONTROL METHOD THEREOF, DISPLAY DRIVER
			CIRCUIT, AND DISPLAY DEVICE
134	16/634,309	2019-03-29	DETECTION CHIP, USING METHOD FOR THE SAME, A
			ND REACTION SYSTEM
135	16/077,061	2018-02-07	A Touch Display Device
136	16/340,542	2018-08-14	METHOD FOR MANUFACTURING DISPLAY SUBSTRAT
	,		E, DISPLAY SUBSTRATE AND DISPLAY DEVICE
137	16/338,811	2018-07-09	DRIVING METHOD AND DRIVING SYSTEM FOR DIGIT
	-,,		AL MICROFLUIDIC CHIP
			THIN FILM TRANSISTOR, METHOD OF FABRICATING
138	16/626,322	6/626,322 2019-05-05	THIN FILM TRANSISTOR, AND DISPLAY APPARATUS
			HAVING THIN FILM TRANSISTOR

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139	16/335,853	2018-08-08	PIXEL CIRCUIT AND DRIVING METHOD THEREOF, AN
		D DISPLAY DEVICE	
140	16/457,232	2019-06-28	LIGHT SOURCE MODULE, BACKLIGHT MODULE AND
1-10	10,437,232	2013-00-20	DISPLAY DEVICE
141	16/824,841	2020-03-20	DISPLAY PANEL, METHOD FOR MANUFACTURING TH
127.1	10/024,041	2020-03-20	E SAME, DISPLAY DEVICE
142	16/00E AEE	2020-05-28	CAPACITOR, ARRAY SUBSTRATE AND METHOD FOR
144	16/885,456	2020-03-28	MANUFACTURING THE SAME, AND DISPLAY PANEL
143	16/804,874	2020-02-28	DISPLAY DEVICE AND TERMINAL DEVICE
			DISPLAY APPARATUS, COUNTER SUBSTRATE OF DISP
144	16/626,306	2019-06-18	LAY APPARATUS, METHOD OF FABRICATING DISPLA
			Y APPARATUS
	151505000	2040 02 20	ELECTROSTATIC DISCHARGE PROTECTION CIRCUIT, A
145	16/606,929	2019-02-28	RRAY SUBSTRATE AND DISPLAY DEVICE
4.40		2010 11 02	Drive control Method and Assembly, as well as
146	16/339,419	2018-11-20	Display Device
	4-11-11-1	2021-05-26	ELECTRONIC DEVICE INCLUDING BONDED PARTS AN
147	17/331,421		D METHOD FOR DETECTING THE SAME
	148 16/072,343	2017-12-20	DISPLAY DEVICE AND DRIVING METHOD THEREOF, D
148			ISPLAY SYSTEM AND DISPLAY METHOD THEREOF
1.10	10/205 000	2010 03 25	DISPLAY PANEL, MANUFACTURING METHOD THERE
149	16/305,928	2018-03-06	OF, DISPLAY DEVICE
		· · · · · · · · · · · · · · · · · · ·	SHIFT REGISTER, GATE DRIVING CIRCUIT AND DRIVIN
150	16/316,236	2018-02-01	G METHOD FOR THE SAME, AND LIQUID CRYSTAL DI
			SPLAY
151	16/864,517	2020-05-01	DISPLAY DEVICE
1		2042 25 41	DISPLAY SUBSTRATE, FINE METAL MASK SET AND M
152	16/755,970	2019-05-14	ANUFACTURING METHOD THEREOF
		2040 25 45	ARRAY SUBSTRATE AND MANUFACTURING METHOD
153	16/606,895	2019-05-16	THEREOF, DISPLAY DEVICE
		2018-11-23	DISPLAY SUBSTRATE, METHOD FOR MANUFACTURIN
154	16/641,754		G THE SAME, AND DISPLAY DEVICE
			METHOD AND APPARATUS FOR ADJUSTING SIGNAL
155	16/769,257	2019-05-31	FREQUENCY, DISPLAY DEVICE AND STORAGE MEDIU
1.00	/ 1 m - 1		M

156	16/976,827	2019-11-29	DISPLAY SUBSTRATE AND MANUFACTURING METHO
		-010 11-63	D THEREOF, DISPLAY DEVICE
157	16/332,645	2018-07-23	ARRAY SUBSTRATE, DISPLAY PANEL AND DISPLAY DE
	1,002,0	20,00, 25	VICE
158	16/761,231	2019-10-28	DISPLAY SUBSTRATE, METHOD FOR PREPARING THE
	10,101,201	2013 10 20	SAME, AND DISPLAY DEVICE
			THIN FILM TRANSISTOR, MANUFACTURING METHOD
159	16/468,760	2018-12-14	THEREOF, ARRAY SUBSTRATE AND ELECTRONIC DEV
			ICE
160	16/490,784	2018-12-20	DISPLAY DEVICE, VIRTUAL REALITY EQUIPMENT, AND
100	10,430,104	2010-12-20	DRIVING METHOD
161	17/331,854	2021-05-27	TOUCH DISPLAY DEVICE, TOUCH DISPLAY PANEL AN
	177331,034	2021-03-61	D MANUFACTURING METHOD THEREOF
162	16/638,523	2019-10-08	OPTICAL DETECTION PANEL, FABRICATING METHOD
, 02	10,050,525	2013 10:00	THEREOF AND DISPLAY APPARATUS
163	17/043,940	2020-01-20	WEARABLE DISPLAY APPARATUS AND DISPLAY CON
1,0,5	1770 15,540	2020-01-20	TROL METHOD THEREOF
164	16/956,921	2019-08-08	GATE DRIVING UNIT, GATE DRIVING CIRCUIT, DISPLA
			Y SUBSTRATE, DISPLAY PANEL AND DISPLAY DEVICE
165	16/977,512	2019-11-29	DISPLAY SUBSTRATE AND DISPLAY DEVICE
166	16/959,047	2019-08-01	DISPLAY DEVICE AND ASSEMBLY METHOD THEREOF
167	167 16/765,622	2019-12-16	ROAD SCREEN NETWORKING SYSTEM AND VEHICLE-
	(0) (03)022	2013 (2.10	MOUNTED UNIT
168	16/964,848	2020-02-12	DISPLAY PANEL AND FABRICATION METHOD THERE
100	10,30 1,0 10	2020-02-12	OF, AND DISPLAY APPARATUS
169	17/265,924	2020-07-01	DISPLAY PANEL AND DISPLAY DEVICE
			MULTI-
170	16/330,827	2018-08-01	PAGE DISPLAY SCREEN AND MOBILE PHONE INCLUD
			ING THE SAME
171	16/917,924	2020-07-01	Touch Flexible Printed Circuit, Display Panel and Displ
	10/01/364		ay Apparatus
172	16/765,052	2019-10-12	FLEXIBLE DISPLAY PANEL, METHOD FOR PACKAGING
116	10,700,002		THE SAME, AND DISPLAY DEVICE
			OPTICAL FILTER AND MANUFACTURING METHOD TH
173	16/725,719	2016-09-30	EREFOR, DISPLAY SUBSTRATE, AND DISPLAY APPARA
			TUS

174	17/040,510	2020-03-18	METHOD OF FORMING ARRAY SUBSTRATE, ARRAY S UBSTRATE AND DISPLAY DEVICE
			DISPLAY PANEL, FABRICATION METHOD THEREFOR,
175	16/648,758	2019-05-13	AND DISPLAY DEVICE
476	***************************************	2010 05 00	ARRAY SUBSTRATE, DISPLAY PANEL, METHOD OF FA
176	16/498,777	2019-05-08	BRICATING DISPLAY PANEL, AND MOTHER SUBSTRA
4-7-7	45,005,504	2020 02 20	MASK AND METHOD FOR MANUFACTURING THE SA
177	16/825,584	2020-03-20	ME, LITHOGRAPHY METHOD, DISPLAY PANEL, DISPL
			AY DEVICE AND EXPOSURE DEVICE
178	17/275,549	2020-05-19	POWER MANAGEMENT DEVICE AND DISPLAY DEVIC
~			E
179	17/271,319	2020-07-22	ARRAY SUBSTRATE, DISPLAY PANEL AND DISPLAY DE
	17.007.100	2222 24 22	VICE
180	17/287,486	2020-01-21	ARRAY SUBSTRATE AND DISPLAY PANEL
181	16/767,923	2019-12-17	THIN FILM TRANSISTOR, MANUFACTURING METHOD
			OF THIN FILM TRANSISTOR AND DISPLAY DEVICE
			DISPLAY PANEL BUFFERING STRUCTURE, DISPLAY SC
182	17/264,481	2020-05-29	REEN MODULE AND MANUFACTURING METHOD TH
			EREFOR, AND TERMINAL DEVICE
			SMART GLASS AND LIGHT ADJUSTING METHOD THE
183	17/242,435	2021-04-28	REOF, LIGHT ADJUSTING DEVICE AND NON-
ļ			TRANSITORY COMPUTER STORAGE MEDIUM
184	16/975,264	2019-11-28	ARRAY SUBSTRATE, DIMMING LIQUID CRYSTAL PAN
		ļ	EL, AND DISPLAY PANEL
			SIGNAL CONTROLLING DEVICE, DISPLAY DRIVING DE
185	16/649,642	2019-04-18	VICE, DISPLAY APPARATUS AND DISPLAY DRIVING M
			ETHOD
			OPTICAL DISTORTION MEASURING APPARATUS AND
186	16/956,886	2020-01-02	OPTICAL DISTORTION MEASURING METHOD, IMAGE
	10/220/000	2020 01:02	PROCESSING SYSTEM, ELECTRONIC APPARATUS AN
			D DISPLAY APPARATUS
187	17/256,514	2020-03-16	DISPLAY SUBSTRATE, MANUFACTURING METHOD A
107	17/630/314	2020-03-10	ND DISPLAY DEVICE

			CHIP-ON-
188	17/223,165	2021-04-06	FILM STRUCTURE, DISPLAYING BASE PLATE AND DIS
			PLAYING DEVICE
189	17/316,733	2021-05-11	Back Light Unit, Display Unit and Display Apparatus
			Display Apparatus, Display device and Control Metho
190	17/183,382	2021-02-24	d Thereof, and Non-transient Computer-
			Readable Storage Medium
101	17/05/ 222	2020 02 02	ARRAY SUBSTRATE, MANUFACTURING METHOD THE
191	17/051,323	2020-03-02	REOF AND DISPLAY DEVICE
100	47/204/500	2022 00 22	Shift Register and Drive Method Therefor, and Gate D
192	17/294,690	2020-08-20	rive Circuit
403	17/256 002	2024 06 24	METHOD FOR DRIVING DISPLAY PANEL, DISPLAY MO
193	17/356,802	2021-06-24	DULE AND DISPLAY DEVICE
104	47/000 404	2020 00 26	OPTICAL ASSEMBLY, LIQUID CRYSTAL DISPLAY PANE
194	17/290,484	2020-08-26	L, AND DISPLAY APPARATUS
400	4.5.655.4.5	2019-12-13	ARRAY SUBSTRATE, TOUCH DISPLAY PANEL, AND TO
195	16/975,445		UCH DISPLAY DEVICE
100	17/042 107	2020-03-30	DISPLAY SUBSTRATE, METHOD FOR PREPARING THE
196	17/043,187	2020-03-30	SAME, AND DISPLAY PANEL
107	17/210 424	2021-03-23	Display Panel, Preparation Method thereof, and Displ
197	17/210,424	2021-05-25	ay Apparatus
100	167750 002	2019-05-14	DISPLAY PANEL, MANUFACTURING METHOD THERE
198	16/759,902	2019-03-14	OF, AND DISPLAY APPARATUS
100	17/435 431	2021-01-13	SHIFT REGISTER, DRIVING METHOD THEREOF, GATE
199	17/425,431	2021-01-13	DRIVING CIRCUIT, AND DISPLAY PANEL
200	17/518,233	2021-11-03	DISPLAY DEVICE AND BACKLIGHT MODULE
204	47/330 047	2021-04-14	POLARIZER AND PREPARATION METHOD THEREOF
201	17/229,917	2021-04-14	AND DISPLAY DEVICE
202	202 16/714,385	2040 43 43	DISPLAY PANEL, DISPLAY DEVICE AND DISPLAY CON
202		2019-12-13	TROL METHOD THEREOF
202 45/547/44	462647446	110 2019-05-20	SHIFT REGISTER, SHIFT REGISTER CIRCUIT AND DISPL
203	16/617,110		AY DEVICE
204	4.6.10.05.000	905,899 2020-06-18	ARRAY SUBSTRATE, MANUFACTURING METHOD THE
204	16/905,899		REOF, AND DISPLAY DEVICE
205	16/767,128	2019-12-25	Display Panel and Display Device

206	206 17/547,030	2021-12-09	DISPLAY MODULE, DISPLAY SYSTEM AND CONTROL
			METHOD FOR DISPLAY SYSTEM
207	16/642,855	2019-08-22	DISPLAY SUBSTRATE, METHOD OF MANUFACTURING
	10/046/055	2013-00-22	THE SAME AND DISPLAY DEVICE
208	16/641,434	2019-05-30	DISPLAY DEVICE
209	17/005,987	2020-08-28	Shiftregister and method of driving the same, gate
203	177003,967	2020-06-26	driving circuit and display panel
210	16/936,353	2020-07-22	DISPLAY PANEL AND DISPLAY DEVICE
211	16/050 217	2010 09 20	LIQUID CRYSTAL DISPLAY PANEL AND DISPLAY
411	16/959,217	2019-08-29	DEVICE
212	16/762,985	2019-07-05	DISPLAY SUBSTRATE, DISPLAY APPARATUS, AND ME
414	10/102,303	2013-07-05	THOD OF FABRICATING DISPLAY SUBSTRATE
212	16/759,761	2010 05 10	ELECTROLUMINESCENT DISPLAY PANEL AND
213	10/,656/101	2019-06-10	BRIGHTNESS COMPENSATION METHOD THEREFOR
214	17/014,262	2020-09-08	DISPLAY PANEL AND DISPLAY DEVICE
215	17/458,171	2021 00 26	DRIVING METHOD AND APPARATUS OF DISPLAY
215	17/430,171	2021-08-26	PANEL
			GRAYSCALE COMPENSATION METHOD, GRAYSCALE
216	17/542,044	2021-12-03	COMPENSATION ASSEMBLY, AND LIQUID CRYSTAL D
			ISPLAY DEVICE
217	17/040,260	2019-11-29	ARRAY SUBSTRATE, MANUFACTURING METHOD THE
611	11/040,200	2015-11-23	REOF, AND DISPLAY PANEL
218	17/200,929	2021-03-15	Touch Panel and Preparation Method Thereof, and Di
210	11/200,223	E0E1*03*13	splay Apparatus
219	16/537,962	2019-08-12	CHARGE COMPENSATION CIRCUIT, CHARGE COMPE
213	10/331/302	2013-00-12	NSATION METHOD, AND DISPLAY DEVICE
220	17/041,334	2020-01-21	DISPLAY UNIT, DISPLAY SUBSTRATE AND DRIVING M
2.20	17/041,334	2020-01-21	ETHOD THEREOF, AND DISPLAY DEVICE
221	17/280,316	2020-05-15	DISPLAY PANEL AND ELECTRONIC DEVICE
222	17/264,695	2020.05-29	GATE DRIVING CIRCUIT, DISPLAY DEVICE AND DISPL
222 17/264,69	17/204/033	695 2020-05-28	AY CONTROL METHOD
222	17/365 EAC	2020 05 12	DISPLAY MODULE, DISPLAY DEVICE AND VIEWING-
223	17/265,546	2020-05-13	ANGLE SWITCHING METHOD
			ACTUATOR AND MANUFACTURE METHOD THEREOF,
224	16/754,570	2019-01-14	OPERATION METHOD THEREOF, AND MOVABLE DE
			VICE

	·		
225	16/632,589	2019-06-13	SURFACE LIGHT SOURCE, MANUFACTURING METHO
	, ,	2013 00 13	D THEREOF AND LIQUID CRYSTAL DISPLAY DEVICE
226	17/040,864	2020-03-26	TOUCH DISPLAY DEVICE AND PREPARATION
	1770-10,004	2020-03-20	METHOD THEREOF, AND TERMINAL EQUIPMENT
			TOUCH-
227	17/197,487	2021-03-10	CONTROLLED DISPLAY PANEL AND DRIVING METHO
22/ 1//19/	17/197,407	2021-03-10	D THEREOF, AND TOUCH-
			CONTROLLED DISPLAYING DEVICE
228	17/281,586	2020-12-24	Substrate and Display Panel
220	17/207 404	2020 00 24	DISPLAY SUBSTRATE AND METHOD FOR DRIVING TH
229	17/297,404	2020-08-31	E SAME AND DISPLAY DEVICE
220	16/640/640	2010 06 27	POWER DISTRIBUTION NETWORK, LIQUID CRYSTAL
230	16/640,619	2019-06-27	ANTENNA AND COMMUNICATION DEVICE
224	47/250 604	2024 65 27	SUPPORT PLATES, DISPLAY APPARATUSES AND ELEC
231	17/359,601	2021-06-27	TRONIC DEVICES
232	17/426,733	2021-01-06	ELECTRONIC DEVICE
			HOLOGRAPHIC REPRODUCTION DEVICE, HOLOGRAP
233	16/832,546	2020-03-27	HIC REPRODUCTION SYSTEM, AND HOLOGRAPHIC D
			ISPLAY SYSTEM
	40,0004444	2000 22 06	ARRAY SUBSTRATE, DISPLAY PANEL AND DISPLAY DE
234	16/831,144	2020-03-26	VICE
	10.00.000	2010-04-00	DRIVE DEVICE FOR DISPLAY PANEL, DRIVE METHOD
235	16/649,374	2019-04-09	THEREOF AND DISPLAY APPARATUS
		5545 57 55	ARRAY SUBSTRATE, METHOD OF MANUFACTURING
236	16/768,413	2019-07-22	THE SAME, AND DISPLAY DEVICE
			IMAGE PROCESSING METHOD, IMAGE PROCESSING
237	16/764,101	2019-12-13	APPARATUS AND DISPLAY APPARATUS
			COLOR FILTERING FILM, COLOR FILTER SUBSTRATE A
238	16/330,580	2018-07-13	ND DISPLAY DEVICE
			A PIXEL DRIVING CIRCUIT WITH WIDE RANGE INPUT
239	16/334,899	2018-05-18	VOLTAGE
			DISPLAY PANEL AND PREPARATION METHOD
240	17/000,428	2020-08-24	THEREOF, AND DISPLAY DEVICE
			ARRAY SUBSTRATE, DISPLAY MODULE, TESTING MET
241	16/769,407	2019-11-12	HOD FOR DISPLAY MODULE, DISPLAY PANEL
L	<u></u>	<u> </u>	L

			APPARATUS, SYSTEM AND METHOD FOR CONTROLLI
242	16/398,748	2019-04-30	NG LOGISTICS, AND NON-
			TRANSITORY COMPUTER READABLE MEDIUM
243	16/499,496	2019-04-09	DISPLAY PANEL AND FABRICATING METHOD THERE
243	10/499,490	2019-04-09	OF
244	17/355 437	2020 06 02	Touch Display Substrate, Manufacturing Method Ther
244	17/255,437	2020-06-02	eof, and Touch Display Apparatus
245	17/202 715	2021 02 16	Touch Display Module, Control Method thereof and
243	17/203,715	2021-03-16	Display Device
246	47 (202 020	2020 00 70	DRIVING CIRCUIT OF DISPLAY PANEL, DISPLAY PANE
246	17/293,938	2020-09-30	L, AND DISPLAY DEVICE
247	17/466 150	3031 00 03	FLEXIBLE DISPLAY SUBSTRATE, METHOD FOR CONTR
247	17/466,150	2021-09-03	OLLING SAME, AND DISPLAY DEVICE
			SHIFT REGISTER UNIT AND METHOD FOR DRIVING T
248	16/621,217	2019-07-12	HE SAME, GATE DRIVING CIRCUIT AND DISPLAY DEVI
			CE
249	16/618,261	2019-05-17	SHIFT REGISTER UNIT, SCAN DRIVING CIRCUIT, DRIVI
243	249 16/618,261	2013-03-17	NG METHOD THEREOF, AND DISPLAY APPARATUS
250 16/862,871	2020-04-30	DISPLAY PANEL, DISPLAY APPARATUS AND METHOD	
230	230 10/602,071	2020-04-30	OF CONTROLLING THE SAME
			SUBSTRATE AND METHOD OF MANUFACTURING TH
251	16/850,472	2020-04-16	E SAME, METHOD OF MANUFACTURING MOTHERBO
			ARD, MASK AND EVAPORATION DEVICE
252	16/651,497	2019-05-20	DISPLAY PANEL AND MANUFACTURING METHOD TH
232	10/031,497	2019-03-20	EREFOR, AND DISPLAY DEVICE
252	17/255,591	2020 04 10	FLEXIBLE DISPLAY SUBSTRATE AND METHOD FOR M
253	17/253,591	2020-04-10	ANUFACTURING THE SAME
254	16/755 190	2010 10 15	DISPLAY PANEL AND METHOD FOR MANUFACTURIN
254	16/755,180	2019-10-15	G THE SAME, AND DISPLAY DEVICE
255	16/939,427	2020-07-27	ARRAY SUBSTRATE AND DISPLAY DEVICE
	· · · · · · · · · · · · · · · · · · ·		ARRAY SUBSTRATE, DISPLAY APPARATUS, METHOD
256	16/963,346	2019-09-27	OF FABRICATING ARRAY SUBSTRATE, AND PIXEL DRI
}			VING CIRCUIT
	4.0.000.004	2020 01 00	COLOR FILM SUBSTRATE, DISPLAY DEVICE AND COL
257	16/962,824	2020-01-06	OR FILM SUBSTRATE FABRICATING METHOD
1			

258	17/288,188	2020-08-19	ARRAY SUBSTRATE, LIGHT CONTROL PANEL, AND DI SPLAY DEVICE
259	16/976,510	2019-12-25	DISPLAY DEVICE, CONTROL METHOD THEREFOR, AND HEAD-MOUNTED VIRTUAL DISPLAY DEVICE
260	17/352,275	2021-06-19	BONDING DEVICE AND BONDING METHOD
261	17/363,189	2021-06-30	DISPLAY DEVICE, METHOD FOR DRIVING SAME, AND DISPLAY SYSTEM

RECORDED: 08/15/2022