### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7962923

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
IGNIS INNOVATION INC.	03/31/2023

### **RECEIVING PARTY DATA**

Name:	IGNIS INNOVATION INC.
Street Address:	WICKHAMS CAY II ROAD TOWN
City:	TORTOLA
State/Country:	VIRGIN ISLANDS, BRITISH
Postal Code:	VG1110

### **PROPERTY NUMBERS Total: 31**

Property Type	Number
Application Number:	18137470
Application Number:	18136908
Application Number:	18184090
Application Number:	18184343
Application Number:	18152921
Application Number:	17989216
Application Number:	18066309
Application Number:	17966921
Application Number:	18058757
Application Number:	18050562
Application Number:	17952781
Application Number:	17930885
Application Number:	17894564
Application Number:	17894501
Application Number:	17858498
Application Number:	17844167
Application Number:	17844105
Application Number:	17745210
Application Number:	17741957
Application Number:	17592554

PATENT REEL: 063701 FRAME: 0780

507915796

Property Type	Number
Application Number:	17557237
Application Number:	17582446
Application Number:	17520842
Application Number:	17509234
Application Number:	17487112
Application Number:	17443471
Application Number:	17222032
Application Number:	17205748
Application Number:	16451216
Application Number:	14326677
Application Number:	16198840

### 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:** IPADMIN@STRATFORD.GROUP

Correspondent Name: STRATFORD GROUP LTD.

Address Line 1: 10616 RANCHO CARMEL DRIVE Address Line 4: SAN DIEGO, CALIFORNIA 92128

ATTORNEY DOCKET NUMBER:	0100-PENDING
NAME OF SUBMITTER:	SUE LONGTIN
SIGNATURE:	/Sue Longtin/
DATE SIGNED:	05/19/2023

### **Total Attachments: 38**

source=US Patent Assignment Agreement Signed#page1.tif source=US Patent Assignment Agreement Signed#page2.tif source=US Patent Assignment Agreement Signed#page3.tif source=US\_Patent Assignment Agreement\_Signed#page4.tif source=US Patent Assignment Agreement Signed#page5.tif source=US Patent Assignment Agreement Signed#page6.tif source=US Patent Assignment Agreement Signed#page7.tif source=US\_Patent Assignment Agreement\_Signed#page8.tif source=US\_Patent Assignment Agreement\_Signed#page9.tif source=US Patent Assignment Agreement Signed#page10.tif source=US Patent Assignment Agreement Signed#page11.tif source=US Patent Assignment Agreement Signed#page12.tif source=US\_Patent Assignment Agreement\_Signed#page13.tif source=US Patent Assignment Agreement Signed#page14.tif source=US Patent Assignment Agreement Signed#page15.tif source=US Patent Assignment Agreement Signed#page16.tif source=US Patent Assignment Agreement Signed#page17.tif

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### PATENT ASSIGNMENT AGREEMENT

This Patent Assignment Agreement (this "Assignment") is made and entered into as of March 31, 2023 (the "Effective Date") by and between IGNIS INNOVATION INC., a corporation incorporated under the Business Corporations Act (Ontario) having its head office at 50 Bathurst Drive, Unit 12, Waterloo, Ontario, Canada N2V 2C5 ("Assignor") and IGNIS INNOVATION INC., a corporation incorporated under British Virgin Islands laws ("Assignee"). Assignor and Assignee are sometimes referred to herein together as the "Parties".

### **RECITALS:**

- 1. Assignor is the owner of the patents set out in the attached Schedule "A" (the "Patents");
- 2. Reference is made to that certain Asset Purchase Agreement (the "Purchase Agreement") dated March 17, 2023, between Assignor and Assignee, pursuant to which Assignor agreed to sell to Assignee, and Assignee agreed to purchase from Assignor, all of Assignor's rights, title and interests in and to the Purchased Assets (as defined in the Purchase Agreement), which include the Patents. Capitalized terms used but not defined herein will have the meanings given to them in the Purchase Agreement.
- 3. In the Purchase Agreement, Assignor and Assignee have agreed to execute and deliver this Assignment, pursuant to which Assignor will assign and transfer to Assignee all of Assignor's rights, title and interests in and to the Patents.
- **NOW, THEREFORE**, in consideration of the premises, the covenants and the agreements contained herein and in the Purchase Agreement, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties, intending to be legally bound, hereby agree as follows:
- 1. Assignor sells, assigns and transfers to Assignee, its successors, assigns or legal representatives, all of its rights, title and worldwide interests in and to the Patents together with the rights, entitlements and privileges related thereto and the goodwill of any and all business carried on in association with the Patents, the same to be held by Assignee, its successors, assigns or legal representatives, as fully and effectively as they would have been held by Assignor had this sale, assignment and transfer not been made.
- 2. Assignor, on behalf of itself, its successors, assigns and legal representatives, hereby covenants and agrees, without further consideration, to do all such lawful acts and things and to execute such further lawful assignments, documents, assurances, applications and other instruments as may be required by Assignee, its successors, assigns or legal representatives or a Governmental Authority, to obtain, modify or update any and all registrations or renewals for the Patents and to vest the same in Assignee, its successors, assigns or legal representatives.
- 3. Assignor hereby covenants that it has full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreements in conflict herewith.
- 4. This Assignment is executed and delivered pursuant to the Purchase Agreement and is subject to the covenants, representations, warranties and indemnities contained therein. This Assignment, together with the Purchase Agreement, is the final and exclusive expression of the agreement of Assignor and Assignee as to the subject matter hereof. Nothing in this Assignment will be deemed to enlarge, alter or amend the terms or conditions of the Purchase Agreement. In the event of a conflict between this Assignment and the Purchase Agreement, however, the Purchase Agreement will take precedence and control the resolution of the conflict.

- 5. This Assignment may only be amended by and pursuant to a written agreement of amendment that specifically references this Assignment and is signed by both Parties.
- 6. This Assignment will be binding upon and will inure to the benefit of the Parties and their respective successors and permitted assigns.
- 7. Each Party shall pay all expenses it incurs in authorizing, preparing, executing and performing this Assignment and the transactions contemplated hereunder, including all fees and expenses of its legal counsel, accountants or other representatives or consultants.
- 8. Each Party shall do such acts and will execute such further documents, conveyances, deeds, assignments, transfers and the like, and will cause the doing of such acts and will cause the execution of such further documents as are within its power as any other party may in writing at any time and from time to time reasonably request be done and or executed, in order to give full effect to the provisions of this Assignment.
- 9. This Assignment is governed by and is to be interpreted, construed and enforced in accordance with the laws of the Province of Ontario and the federal laws of Canada applicable therein, without regard to conflict of law principles.
- 10. This Assignment may be executed in counterparts, each of which will be deemed an original, but all of which together will be deemed to be one and the same instrument. Once signed, any reproduction of this Assignment made by reliable means (e.g., photocopy, facsimile or PDF) will be considered an original.

[Signature page follows]

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IN WITNESS WHEREOF, the parties hereto have executed this Patent Assignment Agreement on the date above mentioned.

### IGNIS INNOVATION INC.

Peter Monsberger

DocuSigned by:

Name: Peter Monsberger Title: Chief Executive Officer

IGNIS INNOVATION INC.

Ву:

Name

Title: Chief Executive Officer

### Schedule A

### TABLE 1 - Active Patents

### Max Life

		Matte				
File #	TITLE	r Type	Status	Date Filed	Application #	Patent #
	METHOD AND	Utility	Issued	12/01/2005	11/291,301	8314783
	SYSTEM FOR	- ORG				
	CALIBRATING A					
	LIGHT EMITTING					
0100-7USPT	DEVICE DISPLAY					
		Utility	Issued	12/15/2005	11/304,162	7619597
0100-9USPT		- ORG				
		Utility	Issued	10/01/2009	12/571,968	8259044
0100-9USC1		- CON				
		Utility	Issued	08/07/2012	13/568,784	8736524
0100-9USC2		- CON				
		Utility	Issued	01/16/2014	14/157,031	8994625
0100-9USC3		- CON				
		Utility	Issued	02/07/2014	14/175,493	8816946
0100-9USC4		- CON				
		Utility	Issued	03/10/2015	14/643,584	9970964
0100-9USC5		- CON				
		Utility	Issued	06/12/2015	14/738,393	10012678
0100-9USP1		- CIP				
		Utility	Issued	08/03/2015	14/816,817	10013907
0100-9USP2		- CIP				
		Utility	Issued	08/06/2016	15/230,397	10074304
0100-9USPT2		- ORG				
		Utility	Issued	06/11/2018	16/005,177	10699624
0100-9USC6		- CON				
		Utility	Issued	08/09/2018	16/059,299	10339860
0100-9USC7		- CON				
		Utility	Issued	05/16/2019	16/413,693	10475376
0100-9USC8	METHOD AND	- CON				
	SYSTEM FOR	Utility	Issued	10/07/2019	16/594,416	11049447
0100-9USC9	PROGRAMMING,	- CON		00/07/27	10/01	
	CALIBRATING	Utility	Issued	06/29/2020	16/914,533	11270621
0100-9USC10	AND DRIVING A	- CON		20 (20 )	1-1-2	
	LIGHT EMITTING	Utility	Issued	05/25/2021	17/329,244	11501705
0100-9USC11	DEVICE DISPLAY	- CON				

[Signature Page to Patents Assignment Agreement]

1	1	Utility	Publishe	01/24/2022	17/582,446	I
0100-9USC12		- CON	d	01/24/2022	17/382,440	
0100 903012		Utility	Publishe	10/17/2022	17/966,921	
0100-9USC13		- CON	d	10/17/2022	17,300,321	
0100 903013		Utility	Issued	08/06/2016	201680046438	ZL
		_	133464	00,00,2010	.0	201680046438.0
0100-9CNPX2		NSPCT				2010000 10 130.0
		Utility	Publishe	08/06/2016	201910998489	
0100-9CND1		- DIV	d		.9	
		Utility	Issued	12/15/2005	094144535	1402790
0100-9TWPT		- ORG		, ,		
	DRIVING CIRCUIT	Utility	Issued	02/09/2006	11/350,610	10078984
0100-12USPT	FOR CURRENT	- ORG				
	PROGRAMMED	Utility	Issued	02/09/2006	2007-554402	5011130
	ORGANIC LIGHT-	-				
	EMITTING DIODE	NSPCT				
0100-12JPPX	DISPLAYS					
	METHOD AND	Utility	Issued	04/12/2006	11/402,624	7868857
0100-13USPT	SYSTEM FOR	- ORG				
	COMPENSATION	Utility	Issued	09/18/2014	14/490,513	10235933
0100-13USC3	OF NON-	- CON				
	UNIFORMITIES IN	Utility	Issued	04/11/2006	200680020908	ZL200680020908.
	LIGHT EMITTING	-			.2	2
0100-13CNPX	DEVICE DISPLAYS	NSPCT				
	COMPENSATION	Utility	Issued	09/12/2006	11/519,338	8188946
0100-18USPT	TECHNIQUE FOR	- ORG			,	
	LUMINANCE	Utility	Issued	12/10/2010	12/965,610	8749595
0100-18USC1	DEGRADATION	- CON				
	IN ELECTRO-	Utility	Issued	05/01/2014	14/266,901	10019941
	LUMINANCE	- CON				
	DEVICES					
	COMPENSATION TECHNIQUE FOR					
	LUMINANCE					
	DEGRADATION					
	IN ELECTRO-					
	LUMINANCE					
	DEVICES					
	COMPENSATION					
	TECHNIQUE FOR					
	LUMINANCE					
	DEGRADATION					
	IN ELECTRO-					
	LUMINANCE					
0100-18USC2	DEVICES					
0100-18USC2	DEVICES					

		Utility	Issued	09/23/2004	10/554,754	7978187
		-				
0100-19USPX		NSPCT				
		Utility	Issued	05/23/2011	13/113,651	8553018
0100-19USC1		- CON				
		Utility	Issued	10/04/2013	14/046,480	8941697
0100-19USC2	CIRCUIT AND	- CON				
	METHOD FOR	Utility	Issued	12/12/2014	14/568,517	9472139
0100-19USC3	DRIVING AN	- CON				
	ARRAY OF LIGHT	Utility	Issued	09/15/2016	15/266,474	9852689
0100-19USC4	EMITTING PIXELS	- CON				
	METHOD AND	Utility	Issued	02/09/2007	11/673,512	7924249
	SYSTEM FOR	- ORG				
	LIGHT EMITTING					
0100-21USPT	DEVICE DISPLAYS		_			
		Utility	Issued	08/15/2007	11/839,145	8026876
0100-23USPT		- ORG		07/11/2011	10/170 000	00=0440
24.00.20110.04		Utility	Issued	07/11/2011	13/179,963	8279143
0100-23USC1		- CON		10/01/2012	12/022 001	0504000
0100 2211602		Utility	Issued	10/01/2012	13/632,691	8581809
0100-23USC2		- CON	laassa al	10/11/2012	14/052 146	0435370
0100 2211663		Utility	Issued	10/11/2013	14/052,146	9125278
0100-23USC3		- CON	Issued	07/30/2015	14/813,904	9530352
0100-23USC4		Utility - CON	Issued	07/30/2015	14/813,904	9530552
0100-230304		Utility	Issued	11/18/2016	15/356,196	10325554
0100-23USC5		- CON	Issueu	11/18/2010	13/330,190	10323334
0100-230303		Utility	Issued	08/15/2007	200780037286	ZL200780037286.
		Ctility	Issueu	08/15/2007	.9	9
0100-23CNPX	OLED	NSPCT			.5	
O100 ZSCNI X	LUMINANCE	Utility	Issued	08/15/2007	2009-524054	5535627
	DEGRADATION	-	Issueu	00,13,200,	2003 324034	3333027
0100-23JPPX	COMPENSATION	NSPCT				
0100 100	2011112112111211	Utility	Issued	06/28/2005	11/571,480	8115707
		-		00, 20, 2000	, _, _,	
0100-24USPX		NSPCT				
		Utility	Issued	02/14/2012	13/396,375	8232939
0100-24USC1		- CON		, , ,	• •	
0100-	VOLTAGE-	Utility	Issued	11/26/2013	14/090,320	RE45291
24USREI	PROGRAMMING	- REIS		,		
0100-	SCHEME FOR	Utility	Pending	07/09/2014	14/326,677	
24USDR	CURRENT-	- DIV		,		
	DRIVEN AMOLED	Utility	Issued	07/09/2014	14/326,705	RE47257
0100-24USCR	DISPLAYS	- CON				
	I		I	I		1

		Utility	ssued -	06/28/2005	05759141.4	1779365
		_	Validated	00, 20, 2003	00,001,11,1	1,,,5005
0100-24EPPX		NSPCT				
		Utility	Issued	06/28/2005	05759141.4	1779365
0100-		-		, ,		
24EPPX-DE		EPPAT				
		Utility	Issued	06/28/2005	2007-518427	5279265
		_				
0100-24JPPX		NSPCT				
		Utility	Issued	06/16/2010	12/816,856	9117400
0100-34USPT		- ORG				
		Utility	Issued	03/16/2013	13/844,856	9111485
0100-34USC1		- CON				
	COMPENSATION	Utility	Issued	07/13/2015	14/797,278	9418587
0100-34USC2	TECHNIQUE FOR	- CON				
	COLOR SHIFT IN	Utility	Issued	07/12/2016	15/207,584	10553141
0100-34USC3	DISPLAYS	- CON				
		Utility	Issued	11/30/2010	12/956,842	8914246
0100-39USPT		- ORG				
		Utility	Issued	04/24/2013	13/869,399	9384698
0100-39USP1		- CIP				
		Utility	Issued	05/09/2013	13/890,926	9311859
0100-39USP2		- CIP				
		Utility	Issued	04/23/2014	14/775,450	10319307
0100-		-				
39USPX2		NSPCT				
		Utility	Issued	09/05/2014	14/477,971	9786209
0100-39USD1		- DIV				
		Utility	Issued	03/02/2016	15/058,939	10699613
0100-39USC1		- CON				
		Utility	Issued	06/01/2016	15/170,336	10304390
0100-39USC2		- CON				
0400 00::000		Utility	Issued	09/13/2017	15/703,260	10679533
0100-39USC3		- CON		04/40/2015	46/202 242	1000703
0100 301303		Utility	Issued	04/12/2019	16/382,616	10997924
0100-39USC4		- CON	Jan. 1. J	05/04/2040	16/100 222	10706633
0100 300505		Utility	Issued	05/01/2019	16/400,239	10796622
0100-39USC5		- CON	Janua J	04/27/2024	17/241 200	11500012
0100 300,000	CVCTENAANS	Utility	Issued	04/27/2021	17/241,389	11580913
0100-39USC6	SYSTEM AND	- CON	Dondin -	01/11/2022	10/152 021	
0100 2011003	METHODS FOR	Utility	Pending	01/11/2023	18/152,921	
0100-39USC7	AGING	- CON	lecued	04/23/2014	201480036145	71 201 4900261 45
0100-	COMPENSATION IN AMOLED	Utility	Issued	04/23/2014	.5	ZL201480036145.
39CNPX2	DISPLAYS	NSPCT			د. ا	
JJCINI AZ	5151 15(15	1351 C1				

I	1	Utility	Issued	02/03/2011	13/020,252	8589100
0100-42USPT		- ORG		, ,	, ,	
		Utility	Issued	09/16/2013	14/027,811	9430958
0100-42USC1		- CON			, ,	
		Utility	Issued	05/23/2014	14/286,711	9881532
0100-42USP1		- CIP		, ,	, ,	
		Utility	Issued	06/25/2014	14/314,514	10176736
0100-42USP2		- CIP			,	
		Utility	Issued	01/06/2015	14/590,105	10089921
0100-42USP4		- CIP	1000.00	02,00,202	- 1, 55 5, 255	
		Utility	Issued	06/30/2016	15/198,981	10163401
0100-42USP5		- CIP	1000.00	00,00,202		10100 :01
		Utility	Issued	07/29/2016	15/223,437	9773441
0100-42USC2		- CON	1556.66	0.725,2525		3770112
	-	Utility	Issued	08/29/2017	15/689,417	10032399
0100-42USC3		- CON	155464	00,23,201,	13,003,11,	10032333
0100 120000		Utility	Issued	01/10/2018	15/866,717	10573231
0100-42USC5		- CON	Issueu	01,10,2010	13,000,717	10373231
0100 120303		Utility	Issued	01/11/2018	15/867,863	10971043
0100-42USC4		- CON	Issueu	01,11,2010	13,007,003	103,1013
0100 120001		Utility	Issued	06/25/2018	16/017,355	10395574
0100-42USC6		- CON	155464	00,23,2010	10,017,333	10333371
0100 120000		Utility	Issued	08/27/2018	16/113,111	11200839
0100-42USC7		- CON	Issueu	00,27,2010	10,113,111	11200033
0100 110007		Utility	Issued	11/16/2018	16/193,605	10699648
0100-42USC8		- CON	155464	11,10,2010	10, 133,003	100330 10
		Utility	Issued	11/29/2018	16/203,728	10783814
0100-42USC9		- CON		,,	,,	
0100-		Utility	Issued	07/11/2019	16/508,786	10854121
42USC10		- CON			,,	
0100-		Utility	Publishe	07/27/2021	17/443,471	
42USPT3		- ORG	d	, ,	, ,	
0100-		Utility	Publishe	11/08/2021	17/520,842	
42USC11		- CON	d	, ,	, ,	
0100-	1	Utility	Publishe	05/22/2015	201910992468	
42CND1		- DIV	d	' '	.6	
0100-	SYSTEM AND	Utility	Issued	05/22/2015	201510267035	ZL201510267035.
42CNPT1	METHODS FOR	- ORG		' '	.6	6
0100-	EXTRACTING	Utility	Issued	07/01/2015	201510378716	ZL
42CNPT3	CORRELATION	- ORG		' '	.x	201510378716.X
0100-	CURVES FOR AN	Utility	Allowed	01/06/2016	202010978425	
42CND4	ORGANIC LIGHT	- DIV		, , ,	.5	
0100-	EMITTING	Utility	Publishe	01/05/2016	102016200032	
42DEPT4	DEVICE	- ORG	d	, ==, ====	.2	
	1		ı	l		l

	LIFETIME UNIFORMITY PARAMETER	Utility - ORG	Issued	03/17/2011	13/050,006	8994617
	EXTRACTION					
0100-44USPT	METHODS			10/00/0010	10/000 000	222224
0100-48USPT		Utility - ORG	Issued	12/02/2010	12/958,655	8907991
0100 400311		Utility	Issued	09/09/2014	14/481,520	9489897
0100-48USC1		- CON		,,	<b>,,</b>	
	SYSTEM AND	Utility	Issued	10/08/2016	15/289,138	9997110
0100-48USC2	METHODS FOR	- CON				
	THERMAL	Utility	Issued	05/15/2018	15/979,658	10460669
0100-48USC3	COMPENSATION	- CON				
0100 4011664	IN AMOLED	Utility	Issued	09/20/2019	16/576,892	10971068
0100-48USC4	DISPLAYS	- CON	Januard.	05/20/2011	12/112 469	8576217
0100-51USPT		Utility - ORG	Issued	05/20/2011	13/112,468	85/621/
0100-310311		Utility	Issued	03/15/2013	13/835,124	8599191
0100-51USP1		- CIP			,,	
		Utility	Issued	07/25/2013	13/950,795	9093029
0100-51USC1		- CON				
		Utility	Issued	11/11/2013	14/076,336	9171500
0100-51USP3		- CIP				
		Utility	Issued	12/02/2013	14/093,758	9799246
0100-51USP2		- CIP		0.1/15/2011	1.1/252.122	0075570
0100-51USP4		Utility - CIP	Issued	04/15/2014	14/253,422	9275579
0100-310374		Utility	Issued	04/25/2014	14/261,755	9280933
0100-51USP5		- CIP	133000	04/23/2014	14,201,733	3280333
		Utility	Issued	07/30/2014	14/447,323	9530349
0100-51USP6		- CIP		, ,	, ,	
		Utility	Issued	04/07/2015	14/680,554	9355584
0100-51USC3		- CON				
		Utility	Issued	05/13/2016	15/154,445	9589490
0100-51USC4		- CON				
0100 5111665		Utility	Issued	11/14/2016	15/350,642	10475379
0100-51USC5	CVCTERA AND	- CON Utility	Issued	01/31/2017	15/420,503	9799248
0100-51USC6	SYSTEM AND METHODS FOR	- CON	issued	01/31/201/	13/420,303	3/33240
3100 310300	EXTRACTION OF	Utility	Issued	09/14/2017	15/704,334	10032400
0100-51USC7	THRESHOLD AND	- CON		, = -, ===/	,,	
	MOBILITY	Utility	Issued	09/19/2017	15/708,361	10127846
0100-51USC8	PARAMETERS IN	- CON				
	AMOLED	Utility	Issued	06/20/2018	16/013,005	10325537
0100-51USC9	DISPLAYS	- CON				

0100-		Utility	Issued	10/31/2018	16/175,906	10580337
51USC10		- CON	155464	10,01,2010	10, 1, 0,500	100000,
0100-		Utility	Issued	04/30/2019	16/398,581	10713986
51USC11		- CON		- ',,	,,	
0100-		Utility	Issued	09/27/2019	16/585,511	11164519
51USC12		- CON		, ,	, ,	
0100-		Utility	Publishe	09/28/2021	17/487,112	
51USC13		- CON	d		, ,	
		Utility	Issued	05/11/2012	201280022957	ZL
		_			.5	201280022957.5
0100-51CNPX		NSPCT				
		Utility	Issued	12/01/2010	12/958,035	8552636
0100-52USPT		- ORG				
	HIGH	Utility	Issued	12/21/2012	13/724,424	8803417
0100-52USP1	RESOLUTION	- CIP				
	PIXEL	Utility	Issued	07/03/2014	14/322,995	9059117
0100-52USC1	ARCHITECTURE	- CON				
	ADAPTIVE	Utility	Issued	11/08/2011	13/291,486	9466240
0100-53USPT	FEEDBACK	- ORG				
	SYSTEM FOR	Utility	Issued	09/12/2016	15/262,266	9640112
0100-53USC1	COMPENSATING	- CON				
0400 5011000	FOR AGING PIXEL	Utility	Issued	03/22/2017	15/466,468	9978297
0100-53USC2	AREAS WITH	- CON		04/40/2040	45 (055 024	10706754
	ENHANCED ESTIMATION	Utility	Issued	04/18/2018	15/955,924	10706754
0100-53USC3	SPEED	- CON				
0100 330303	31 220	Utility	Issued	05/26/2012	13/481,790	9773439
0100-57USPT		- ORG	133464	03/20/2012	13,401,750	3773433
0100 0700		Utility	Issued	08/29/2017	15/689,210	9984607
0100-57USC1		- CON	1556.66	00, 20, 202,	13, 003,210	
		Utility	Issued	04/20/2018	15/958,037	10417945
0100-57USC2		- CON		, ,	, ,	
		Utility	Issued	08/06/2019	16/532,590	11049426
0100-57USC3	SYSTEMS AND	- CON		, ,		
	METHODS FOR	Utility	Issued	05/26/2012	201280026000	ZL201280026000.
	AGING	-			.8	8
0100-57CNPX	COMPENSATION	NSPCT				
0100-	IN AMOLED	Utility	Issued	05/26/2012	201611047953	ZL
57CND1	DISPLAYS	- DIV			.9	201611047953.9
0100-	HIGH	Utility	Issued	10/21/2016	15/299,595	RE48002
61USREI	RESOLUTION	- REIS				
	DISPLAY PANEL	Utility	Issued	04/05/2013	201380022342	ZL201380022342.
	WITH EMISSIVE	-			.7	7
0100-61CNPX	ORGANIC LAYERS	NSPCT				

	EMITTING LIGHT	Utility	Publishe	04/05/2013	201910665246	
0100-	OF DIFFERENT	- DIV	d		.3	
61CND1	COLORS					
		Utility	Issued	03/13/2013	13/800,153	8922544
0100-72USPT		- ORG		, ,	, ,	
		Utility	Issued	11/20/2014	14/549,030	9368063
0100-72USC1		- CON		, ,	, ,	
		Utility	Issued	05/13/2016	15/154,416	9536460
0100-72USC2		- CON		,,	,,	
		Utility	Issued	11/28/2016	15/362,541	9741279
0100-72USC3		- CON	155464	11, 20, 2010	13,302,311	3,112,3
0100 720303		Utility	Issued	07/13/2017	15/649,065	9940861
0100-72USC4		- CON	133000	07/13/2017	13/043,003	3340001
0100-72030-		Utility	Issued	03/06/2018	15/913,015	10176738
0100-72USC5		- CON	Issueu	03/00/2018	13/913,013	10170738
0100-720303			Issued	11/29/2018	16/204,175	10431132
0100 7311666	DICRIAY	Utility - CON	Issued	11/29/2018	16/204,175	10431132
0100-72USC6	DISPLAY		11	00/20/2010	16/545 020	10005112
0100 7311667	SYSTEMS WITH	Utility	Issued	08/20/2019	16/545,029	10665143
0100-72USC7	COMPENSATION	- CON		05 (22 (2012	201200026520	71 201200026520
	FOR LINE	Utility	Issued	05/22/2013	201380026539	ZL201380026539.
0400 700 NDV	PROPAGATION	-			.8	8
0100-72CNPX	DELAY	NSPCT		04 /4 4 /2 04 4	4.4/4.5.4.0.4.5	0474504
0100 74HCDT		Utility	Issued	01/14/2014	14/154,945	9171504
0100-74USPT		- ORG		00/22/2014	1.1/10.1.127	0000057
0400 7411684		Utility	Issued	09/23/2014	14/494,127	9830857
0100-74USP1		- CIP		11/02/2017	45 /004 706	10017007
	CLEANING	Utility	Issued	11/02/2017	15/801,726	10847087
0100-74USC1	COMMON	- CON				
	UNWANTED	Utility	Issued	10/26/2020	17/079,572	11462161
0100-74USC2	SIGNALS FROM	- CON				
	PIXEL	Utility	Publishe	08/24/2022	17/894 <i>,</i> 564	
0100-74USC3	MEASUREMENTS	- CON	d			
	IN EMISSIVE	Utility	Publishe	09/23/2015	102015218248	
0100-74DEP1	DISPLAYS	- ORG	d		.7	
		Utility	Issued	03/13/2014	14/209,392	9305488
0100-78USPT		- ORG				
	RE-	Utility	Issued	02/23/2016	15/050,700	9536465
0100-78USC1	INTERPOLATION	- CON				
	WITH EDGE	Utility	Issued	11/29/2016	15/363,290	9818323
0100-78USC2	DETECTION FOR	- CON				
	EXTRACTING AN	Utility	Issued	10/13/2017	15/783,852	10198979
0100-78USC3	AGING PATTERN	- CON				
	FOR AMOLED	Utility	Issued	12/20/2018	16/227,256	10438524
0100-78USC4	DISPLAYS	- CON				
0100-78USC4	DISPLAYS	- CON				

		Utility	Issued	08/29/2019	16/555,256	10789867
0100-78USC5		- CON		, ,		
		Utility	Issued	03/11/2014	14/204,209	9324268
0100-80USPT		- ORG				
		Utility	Issued	04/17/2014	14/255,132	10089924
0100-80USP1		- CIP				
		Utility	Issued	03/22/2016	15/077,399	9721512
0100-80USC1		- CON				
		Utility	Issued	06/22/2017	15/630,142	9997107
0100-80USC2		- CON				
		Utility	Issued	05/14/2018	15/978,871	10460660
0100-80USC3		- CON				
		Utility	Issued	08/24/2018	16/112,161	10380944
0100-80USC4		- CON				
		Utility	Issued	06/28/2019	16/456,138	10699638
0100-80USC5		- CON				
		Utility	Issued	09/18/2019	16/574,191	11074859
0100-80USC6	AMOLED	- CON				
	DISPLAYS WITH	Utility	Allowed	06/22/2021	17/354,233	
0100-80USC7	MULTIPLE	- CON				
	READOUT	Utility	Pending	03/15/2023	18/184,090	
0100-80USC8	CIRCUITS	- CON				
		Utility	Issued	04/17/2015	201510184552	ZL
0100-80CNPT		- ORG			.7	201510184552.7
	DISPLAY SYSTEM	Utility	Issued	04/08/2015	14/681,371	10192479
0100-81USPT	USING SYSTEM	- ORG				
	LEVEL	Utility	Issued	12/17/2018	16/221,676	11145245
0100-81USC1	RESOURCES TO	- CON				
	CALCULATE	Utility	Issued	09/14/2021	17/474,371	11545084
0100-81USC2	COMPENSATION	- CON				
	PARAMETERS	Utility	Pending	11/17/2022	17/989,216	
	FOR A DISPLAY	- CON				
	MODULE IN A					
	PORTABLE					
0100-81USC3	DEVICE					
		Utility	Issued	08/11/2014	14/455,990	9437137
0100-86USPT		- ORG				
		Utility	Issued	07/26/2016	15/219,377	9990882
0100-86USC1		- CON				
		Utility	Issued	05/11/2018	15/976,995	10600362
0100-86USC2		- CON				
		Utility	Issued	08/11/2014	201480044972	ZL201480044972.
0100-86CNPX	COMPENSATION	-			.9	9
	ACCURACY	NSPCT				

0100-		Utility	Issued	08/11/2014	201710628769	ZL201710628769.
86CND1		- DIV		, ,	.1	1
		Utility	Issued	12/05/2014	14/561,697	9761170
0100-87USPT	CORRECTION	- ORG			, ,	
	FOR LOCALIZED	Utility	Issued	08/11/2017	15/675,297	10186190
0100-87USC1	PHENOMENA IN	- CON	1000.00	00, 11, 101,	25, 5, 5, 25,	
0100 070301	AN IMAGE	Utility	Issued	12/17/2018	16/221,721	10755627
0100-87USC2	ARRAY	- CON	155464	12,17,2010	10,221,721	10,3302,
0100 070302	AMAI	Utility	Issued	12/05/2014	14/561,404	9741282
0100-88USPT		- ORG	133000	12/03/2014	14,301,404	3741282
0100-000311		Utility	Issued	07/18/2017	15/652,481	9858853
0100-88USC1		- CON	Issueu	07/18/2017	15/652,461	9030033
0100-8803C1			laaad	11/27/2017	15 (022 002	10205505
0100 00000	OLED DICDLAY	Utility	Issued	11/27/2017	15/822,983	10395585
0100-88USC2	OLED DISPLAY	- CON		07/00/2010	46/505 002	40525204
	SYSTEM AND	Utility	Issued	07/09/2019	16/505,803	10535294
0100-88USC3	METHOD	- CON				
		Utility	Issued	12/23/2014	14/581,193	9502653
0100-90USPT		- ORG				
		Utility	Issued	10/18/2016	15/296,424	9831462
0100-90USC1		- CON				
		Utility	Issued	05/08/2018	15/973,696	10439159
0100-90USC3		- CON				
		Utility	Issued	08/26/2019	16/550,896	10847743
0100-90USC4		- CON				
	ELECTRODE	Utility	Issued	10/20/2020	17/075,251	11050036
0100-90USC5	CONTACTS	- CON				
0100-	SYSTEMS AND	Utility	Issued	05/04/2016	15/146,010	10311780
130USPT	METHODS OF	- ORG				
0100-	OPTICAL	Utility	Issued	04/22/2019	16/390,324	10607537
130USC1	FEEDBACK	- CON				
0100-	SYSTEMS AND	Utility	Issued	05/26/2016	15/165,435	9947293
134USPT	METHODS OF	- ORG				
0100-	REDUCED	Utility	Issued	03/21/2018	15/927,421	10403230
134USC1	MEMORY	- CON		, ,	, ,	
0100-	BANDWIDTH	Utility	Issued	07/17/2019	16/513,889	10818266
134USC2	COMPENSATION	- CON		, ,===3	, , ,	
0100-		Utility	Issued	01/25/2019	16/257,314	11043164
147USPT		- ORG		,,,		
0100-		Utility	Issued	05/20/2021	17/325,281	11398188
147USC1		- CON	.55464	03,20,2021	1,,525,201	11330100
0100-		Utility	Publishe	06/20/2022	17/844,167	
147USC2	DISPLAY PANEL	- CON	d	00, 20, 2022	17,044,107	
0100-	COMPENSATION	Utility	Publishe	01/28/2019	201910080575	
147CNPT	METHODS	- ORG	d d	01/20/2019	.1	
14/CINF1	WILTHOUS	1 - OVG	l d			<u> </u>

0100-		Utility	Issued	07/05/2018	16/028,073	10971078
150USP1		- CIP				
0100-		Utility	Issued	03/18/2021	17/205,639	11488541
150USC1		- CON				
0100-	PIXEL	Utility	Publishe	09/26/2022	17/952,781	
150USC2	MEASUREMENT	- CON	d			
0100-	THROUGH DATA	Utility	Publishe	02/12/2019	202210358984	
150CND1	LINE	- DIV	d		.5	
0100-		Utility	Issued	07/18/2019	16/515,211	11276347
151USPT		- ORG				
0100-		Utility	Issued	09/11/2019	16/567,374	11276348
151USP1		- CIP				
0100-	COMPENSATION	Utility	Allowed	02/04/2022	17/592,554	
151USC1	SYSTEMS AND	- CON				
0100-	METHODS FOR	Utility	Publishe	07/18/2019	201910650171	
151CNPT	DISPLAY OLED	- ORG	d		.1	
0100-	DEGRADATION	Utility	Publishe	07/17/2019	102019210555	
151DEPT		- ORG	d		.6	
	COMPENSATION	Utility	Issued	10/25/2019	16/663,653	11062675
	FOR DISPLAY	- ORG				
	DEGRADATION					
	WITH					
0100-	TEMPERATURE					
153USPT	NORMALIZATION					

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		Matter				
File #	Title	Туре	Status	Date Filed	Application #	Patent #
	PIXEL DRIVER	Utility	Issued	09/06/2005	11/220,094	7569849
0100-5USP1	CIRCUIT AND	- CIP				
	PIXEL CIRCUIT	Utility	Issued	04/19/2011	13/089,622	8664644
	HAVING THE	- CON				
	PIXEL DRIVER					
0100-5USC3	CIRCUIT					
	SYSTEM AND	Utility	Issued	11/15/2005	11/274,957	7889159
0100-6USPT	DRIVING	- ORG				
	METHOD FOR	Utility	Issued	11/23/2010	12/952,951	8319712
	ACTIVE MATRIX	- CON				
	LIGHT EMITTING					
0100-6USC1	DEVICE DISPLAY					
	METHOD AND	Utility	Issued	12/07/2005	11/298,240	7800565
0100-8USPT	SYSTEM FOR	- ORG				

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0100-8USC1	PROGRAMMING AND DRIVING	Utility - CON	Issued	08/06/2010	12/851,652	8405587
0100-8USC2	ACTIVE MATRIX LIGHT EMITTING	Utility - CON	Issued	09/23/2011	13/243,065	8378938
0100-8USC3	DEVICE PIXEL	Utility - CON	Issued	01/18/2013	13/744,843	9153172
0100-8USC4		Utility - CON	Issued	09/02/2015	14/843,211	9741292
0100-8USPT2		Utility - ORG	Issued	07/20/2016	15/215,036	10410579
0100-8USP2		Utility - CIP	Issued	11/28/2016	15/361,660	10373554
0100-8USP3		Utility - CIP	Issued	10/30/2017	15/797,661	10657895
0100-8USC5		Utility - CON	Published	06/25/2019	16/451,216	
0100-11USPT		Utility - ORG	Issued	01/27/2006	11/341,332	8044893
0100-11USC1	VOLTAGE	Utility - CON	Issued	08/17/2011	13/211,732	8497825
0100-11USC2	PROGRAMMED PIXEL CIRCUIT,	Utility - CON	Issued	07/03/2013	13/934,652	8659518
0100-11USC3	DISPLAY SYSTEM AND DRIVING	Utility - CON	Issued	01/17/2014	14/157,699	9373645
0100-11USC4	METHOD THEREOF	Utility - CON	Issued	05/23/2016	15/161,525	9728135
0100-15USPT		Utility - ORG	Issued	06/08/2006	11/449,487	7852298
0100-15USC1		Utility - CON	Issued	09/29/2010	12/893,148	8860636
0100-15USC2		Utility - CON	Issued	09/09/2014	14/481,370	9330598
0100-15USC3		Utility - CON	Issued	04/05/2016	15/090,769	9805653
0100-15USC4		Utility - CON	Issued	09/27/2017	15/717,043	10388221
	METHOD AND SYSTEM FOR	Utility -	Issued	06/08/2006	200680026953. 9	ZL200680026953.
0100-15CNPX	DRIVING A LIGHT	NSPCT				
0100-	EMITTING DEVICE	Utility	Issued	06/08/2006	201210152425.	ZL201210152425.
15CND1	DISPLAY	- DIV		00/00/000	5	5
	PIXEL DRIVER CIRCUIT WITH	Utility -	Issued	09/23/2004	10/554,795	8502751
0100-16USPX	LOAD-BALANCE	NSPCT				

0100 151501	IN CURRENT	Utility	Issued	07/02/2013	13/933,554	9472138
0100-16USC1	MIRROR CIRCUIT	- CON		00/00/2016	45 /250 070	4000000
0100 1611663		Utility	Issued	09/08/2016	15/259,978	10089929
0100-16USC2	METHOD AND	- CON	laaad	07/06/2006	11/481,489	0222177
	METHOD AND	Utility - ORG	Issued	07/06/2006	11/481,489 	8223177
	SYSTEM FOR DRIVING A PIXEL	- ONG				
	CIRCUIT IN AN					
	ACTIVE MATRIX					
0100-17USPT	DISPLAY					
0100 170311	DIST D (1	Utility	Issued	01/09/2007	11/651,099	8253665
0100-20USPT		- ORG	135464	01,03,200,	11,031,033	0233003
		Utility	Issued	09/23/2011	13/243,330	8564513
0100-20USC1		- CON		, ,	, ,	
		Utility	Issued	03/06/2012	13/413,517	8624808
0100-20USC2		- CON		, ,	, ,	
		Utility	Issued	10/11/2012	13/649,888	9269322
0100-20USP1		- CIP		, ,	, ,	
		Utility	Issued	12/03/2013	14/095,583	9058775
0100-20USC3		- CON				
		Utility	Issued	09/19/2014	14/491,885	10229647
0100-20USC4	METHOD AND	- CON				
	SYSTEM FOR	Utility	Issued	01/12/2016	14/993,174	9489891
0100-20USP2	DRIVING AN	- CIP				
	ACTIVE MATRIX	Utility	Issued	10/07/2016	15/288,019	10262587
0100-20USC5	DISPLAY CIRCUIT	- CON				
		Utility	Issued	04/18/2007	11/736,751	8477121
0100-22USPT		- ORG				
		Utility	Issued	04/18/2007	200780022840.	ZL200780022840.
		-			6	6
0100-22CNPX						
		Utility		04/18/2007	07719579.0	2008264
0400 22500		-	Validated			
0100-22EPPX			laa d	04/40/2027	07710570.0	2000264
0100		Utility	issuea	04/18/2007	0//195/9.0	2008264
		EDDAT				
ZZEFFA-DE	DISELATS		lection	07/28/2000	12/510 790	9/171975
0100-29USPT		· '	issueu	07/20/2009	12/310,780	04/10/3
			Issued	09/04/2014	14/477.037	RF46561
	METHOD AND	-	.55464	35,5 1,2014	, ., .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
			Issued	08/25/2017	15/687,017	RE49389
29USREI2	DRIVING LIGHT	- REIS			-, , <del></del>	
0100-	EMITTING	Utility	Pending	12/15/2022	18/066,309	
29USR2C1	DISPLAY	- REIS		, ,		
0100-	EMITTING	Utility	Issued - Validated Issued Issued Issued Pending	04/18/2007 04/18/2007 07/28/2009 09/04/2014 08/25/2017 12/15/2022	07719579.0 07719579.0 12/510,780 14/477,037 15/687,017	2008264 2008264 8471875 RE46561 RE49389

0100-29EPPX		Utility - NSPCT	Issued - Validated	07/28/2009	09802309.6	2313881
0100 202117		Utility	Issued	07/28/2009	09802309.6	2313881
0100-		- '		, ,		
29EPPX-DE		EPPAT				
		Utility	Issued	04/17/2009	12/425,734	8614652
0100-30USPT		- ORG				
		Utility	Issued	12/02/2013	14/094,175	9877371
0100-30USC1		- CON				
		Utility	Issued	08/22/2014	14/466,084	9867257
0100-30USC2		- CON				
0100 2011662		Utility	Issued	11/30/2017	15/827,015	10555398
0100-30USC3		- CON	laaad	04/17/2000	200000120671	71 2000001 20071
		Utility	Issued	04/17/2009	200980120671. 9	ZL200980120671.
0100-30CNPX		- NSPCT			9	] 3
0100-		Utility	Issued	04/17/2009	201410543320.	ZL201410543320.
30CND1		- DIV	1554.64	0 1, 27, 2005	1	1
		Utility	Issued-	04/17/2009	09732338.0	2277163
		-	Validated	, ,		
0100-30EPPX		NSPCT				
	SYSTEM AND	Utility	Issued	04/17/2009	09732338.0	2277163
0100-	DRIVING	-				
30EPPX-DE	METHOD FOR	EPPAT				
	LIGHT EMITTING	Utility	Issued	08/16/2013	2013-169044	5726247
0100-30JPD1	DEVICE DISPLAY	- DIV				
	LOW POWER	Utility	Issued	12/08/2009	12/633,209	8358299
	CIRCUIT AND	- ORG				
	DRIVING					
	METHOD FOR EMISSIVE					
0100-31USPT	DISPLAYS					
0100 310311	DRIVING SYSTEM	Utility	Issued	09/09/2010	12/878,439	9093019
	FOR ACTIVE-	- ORG	133464	05, 55, 2010	,,,	
0100-35USPT	MATRIX DISPLAYS					
	STABLE CURRENT	Utility	Issued	11/11/2010	12/944,488	8283967
	SOURCE FOR	- ORG				
	SYSTEM					
	INTEGRATION TO					
	DISPLAY					
0100-40USPT	SUBSTRATE					
	SYSTEM AND	Utility	Issued	12/02/2010	12/958,938	9093028
0100-41USPT	METHODS FOR	- ORG				

	POWER CONSERVATION FOR AMOLED	Utility - CIP	Issued	10/21/2013	14/058,623	9262965
0100-41USP1	PIXEL DRIVERS					
		Utility	Issued	11/11/2010	12/944,491	8633873
0100-43USPT		- ORG				
		Utility	Issued	12/18/2013	14/132,840	9030506
0100-43USC1		- CON				
	STABLE FAST	Utility	Issued	04/29/2015	14/699,752	9818376
0100-43USC2	PROGRAMMING	- CON				
	SCHEME FOR	Utility	Issued	10/13/2017	15/783,802	10685627
0100-43USC3	DISPLAYS	- CON				
		Utility	Issued	05/26/2012	13/481,789	9370075
0100-54USP1		- CIP				
		Utility	Issued	05/16/2016	15/155,820	9824632
0100-54USC1		- CON				
		Utility	Issued	10/12/2017	15/730,920	10134335
0100-54USC2		- CON				
	SYSTEM AND	Utility	Issued	10/25/2018	16/170,103	11030949
0100-54USC3	METHOD FOR	- CON				
	FAST	Utility	Issued	05/26/2012	201280026192.	ZL201280026192.
	COMPENSATION	-			2	2
0100-54CNPX	PROGRAMMING	NSPCT				
0100-	OF PIXELS IN A	Utility	Issued	05/26/2012	201710001717.	ZL201710001717.
54CND1	DISPLAY	- DIV			1	1
		Utility	Issued	05/26/2012	13/481,788	9881587
0100-62USPT	SYSTEMS AND	- ORG				
	METHODS FOR	Utility	Issued	01/11/2018	15/868,079	10290284
0100-62USC1	OPERATING	- CON				
	PIXELS IN A	Utility	Issued	03/27/2019	16/365,726	10978022
0100-62USC2	DISPLAY TO	- CON				
	MITIGATE IMAGE	Utility	Published	03/18/2021	17/205,748	
0100-62USC3	FLICKER	- CON				
		Utility	Issued	12/11/2012	13/710,872	9786223
0100-63USPT		- ORG				
		Utility	Issued	12/09/2013	14/363,379	9978310
0100-		-				
63USPX1		NSPCT				
		Utility	Issued	06/06/2014	14/298,333	9336717
0100-63USP1		- CIP				
		Utility	Issued	04/12/2016	15/096,501	9685114
0100-63USC1	PIXEL CIRCUITS	- CON				
	FOR AMOLED	Utility	Issued	05/22/2017	15/601,146	9997106
0100-63USC2	DISPLAYS	- CON				

		Utility	Issued	09/13/2017	15/703,357	10140925
0100-63USC3		- CON				
		Utility	Issued	04/20/2018	15/958,143	11030955
0100-63USC4		- CON				
		Utility	Issued	05/15/2018	15/979,848	10311790
0100-63USC5		- CON				
		Utility	Issued	10/31/2018	16/177,353	10446083
0100-63USC6		- CON				
		Utility	Issued	04/17/2019	16/386,399	10467963
0100-63USC7		- CON		,		
		Utility	Issued	09/06/2019	16/562,499	10885849
0100-63USC8		- CON	135464	03,00,2023	10,302,133	10003013
0100 030300		Utility	Issued	09/27/2019	16/585,458	10810940
0100-63USC9		- CON	Issueu	03/2//2013	10/383,438	10810340
			laguad	00/15/2020	17/020 070	11074963
0100-		Utility	Issued	09/15/2020	17/020,970	11074863
63USC10		- CON		00/01/0001	1=/0=0=10	44
0100-		Utility	Issued	06/21/2021	17/352,549	11475839
63USC11		- CON				
0100-		Utility	Published	09/09/2022	17/930,885	
63USC12		- CON				
		Utility	Issued	06/05/2015	201510306412.	ZL201510306412.
0100-63CNP1		- ORG			2	2
		Utility	Issued	05/11/2012	13/470,059	9747834
0100-70USPT	PIXEL CIRCUITS	- ORG				
	INCLUDING	Utility	Issued	07/27/2017	15/661,777	10424245
0100-70USC1	FEEDBACK	- CON				
	CAPACITORS AND	Utility	Issued	08/14/2019	16/540,201	10818231
0100-70USC2	RESET	- CON				
	CAPACITORS,	Utility	Issued	10/23/2020	17/078,152	11244615
0100-70USC3	AND DISPLAY	- CON				
	SYSTEMS	Utility	Published	12/21/2021	17/557,237	
0100-70USC4	THEREFORE	- CON		, ,	, ,	
		Utility	Issued	03/08/2013	13/789,978	9351368
0100-77USPT		- ORG		,,	,,,	
0200 77 001 1		Utility	Issued	09/19/2014	14/491,763	9886899
0100-77USP2		- CIP	133464	05, 15, 2014	, .51,, 53	
5100 770312		Utility	Issued	02/17/2016	15/045,382	9697771
0100-77USC1		- CON	133060	02,17,2010	13/043,362	3337771
0100-7703C1			lograd	04/20/2016	15/122 210	0650527
0100 7711003		Utility	Issued	04/20/2016	15/133,318	9659527
0100-77USC2		- CON	1	00/40/2040	15/104 222	0721505
04.00 ======		Utility	Issued	06/16/2016	15/184,233	9721505
0100-77USP3	PIXEL CIRCUITS	- CIP	<u> </u>	2.42.42.2	4-1	
	FOR AMOLED	Utility	Issued	04/24/2017	15/494,951	9922596
0100-77USC3	DISPLAYS	- CON				

		Utility	Issued	05/31/2017	15/609,249	10013915
0100-77USC4		- CON				
		Utility	Issued	06/28/2017	15/635,653	9934725
0100-77USC5		- CON				
		Utility	Issued	01/11/2018	15/867,937	10515585
0100-77USC6		- CON				
		Utility	Issued	02/05/2018	15/888,451	10593263
0100-77USC7		- CON				
		Utility	Issued	02/23/2018	15/903,698	10242619
0100-77USC8		- CON				
0100-		Utility	Issued	02/04/2019	16/266,557	10650742
77USC10		- CON				
0100-		Utility	Issued	06/30/2020	16/916,540	11367392
77USC11		- CON				
0100-		Utility	Published	05/16/2022	17/745,210	
77USC12		- CON				
0100-		Utility	Issued	11/22/2018	16/198,833	11189201
145USPT	DISPLAY, PIXEL	- ORG				
0100-	CIRCUIT, AND	Utility	Published	10/25/2021	17/509,234	
145USC1	METHOD	- CON				
0100-		Utility	Published	11/22/2018	16/198,840	
146USPT	PIXEL CIRCUIT,	- ORG				
0100-	DISPLAY, AND	Utility	Published	11/22/2018	201811397642.	
146CNPT	METHOD	- ORG			4	
	DISPLAY,	Utility	Pending	11/24/2022	18/058,757	
	METHOD, AND	- ORG				
0100-	5T1C N-TYPE					
159USPT	PIXEL CIRCUIT					
	HIGH EFFICIENCY	Utility	Pending	10/28/2022	18/050,562	
	STRESS HISTORY	- ORG				
0100-	MODELING AND					
161USPT	COMPENSATION					

### • Generic

		Matte				
File #	Title	r Type	Status	Date Filed	Application #	Patent #
	INTEGRATED	Utility	Issued	07/26/2004	10/487,034	7573452
	MULTIPLEXER/DE-	-				
	MULTIPLEXER FOR	NSPCT				
	ACTIVE-MATRIX					
	DISPLAY/IMAGING					
0100-4USPX	ARRAYS					

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1	I	Utility	Issued	05/18/2006	10/546,695	7948170
0100-		Ctility	issueu	05/18/2000	10/340,093	7548170
14USPX		NSPCT				
0100-	-	Utility	Issued	01/11/2017	15/403,313	10163996
14USC2		- CON	issueu	01/11/2017	13/403,313	10103990
0100-			Issued	11/16/2018	16/102 702	10439013
14USC3		Utility - CON	Issueu	11/10/2018	16/193,702	10459015
	 		Januard.	00/20/2010	10/552 422	10001777
0100-	PIXEL HAVING AN	Utility	Issued	08/28/2019	16/553,423	10991777
14USC4	ORGANIC LIGHT	- CON		00/00/0004	47/245 250	44040004
0100-	EMITTING DIODE	Utility	Issued	03/29/2021	17/215,259	11348984
14USC5	AND METHOD OF	- CON	- 11			
0100-	FABRICATING THE	Utility	Allowed	05/11/2022	17/741,957	
14USC6	PIXEL	- CON				
	DISPLAY SYSTEM	Utility	Issued	12/23/2008	12/342,250	8334863
	WITH A SOLAR CELL	- ORG				
0100-	AND DEVICE					
27USPT	HAVING THE SAME					
	SHARING SWITCH	Utility	Issued	11/11/2010	12/944,477	8497828
0100-	TFTS IN PIXEL	- ORG				
37USPT1	CIRCUITS					
0100-		Utility	Issued	07/30/2012	13/561,411	8901579
59USPT		- ORG				
0100-	ORGANIC LIGHT	Utility	Issued	10/28/2014	14/525,720	9224954
59USD1	EMITTING DIODE	- DIV				
0100-	AND METHOD OF	Utility	Issued	08/02/2012	20121027358	ZL201210273581.
59CNPT	MANUFACTURING	- ORG			1.7	7
0100-		Utility	Issued	08/01/2012	13/563,930	8729529
60USPT	THIN FILM	- ORG				
0100-	TRANSISTOR	Utility	Issued	04/04/2014	14/245,203	9070775
60USP1	INCLUDING A	- CIP				
0100-	NANOCONDUCTOR	Utility	Issued	08/03/2012	20121027617	ZL
60CNPT	LAYER	- ORG			7.5	201210276177.5
0100-		Utility	Issued	11/29/2012	13/689,241	9385169
66USPT		- ORG		-		
0100-	1	Utility	Issued	06/06/2016	15/174,174	9818806
66USC1	MULTI-FUNCTIONAL	- CON		-		
0100-	ACTIVE MATRIX	Utility	Issued	10/13/2017	15/783,662	10079269
66USC2	ORGANIC LIGHT-	- CON				
0100-	EMITTING DIODE	Utility	Issued	08/21/2018	16/107,672	10453904
66USC3	DISPLAY	- CON		, ,	, , ,	
0100-	-	Utility	Issued	02/03/2012	13/365,391	8937632
67USPT	DRIVING SYSTEM	- ORG		,,,	,,	
0100-	FOR ACTIVE-	Utility	Issued	11/26/2014	14/554,110	9343006
67USC1	MATRIX DISPLAYS	- CON	.55664	11, 20, 2014	, 55 .,110	
0,000	J LAIS		<u> </u>		<u> </u>	

0100-	1	Utility	Issued	04/15/2016	15/099,752	9792857
67USC2		- CON		0 1, 20, 2020	,,	
0100-		Utility	Issued	09/15/2017	15/705,508	10043448
67USC3		- CON	155464	03, 13, 201,	23,703,300	200 10 1 10
0100-		Utility	Issued	07/09/2018	16/030,268	10453394
67USC4		- CON	Issueu	01,03,2010	10,030,200	10133331
0,0001	DYNAMIC	Utility	Issued	03/03/2014	14/776,887	9952698
	ADJUSTMENT OF	_	Issueu	03,03,2014	1-1,770,007	3332030
	TOUCH	NSPCT				
	RESOLUTIONS ON	1151 61				
0100-	AN AMOLED					
79USPX	DISPLAY					
0100-	DIST DAT	Utility	Issued	04/21/2014	14/257,113	10867536
82USPT		- ORG	133464	04/21/2014	1-7237,113	10007550
0100-		Utility	Issued	05/30/2014	14/291,231	10996258
82USP1		- CIP	133000	03/30/2014	1-7231,231	10330238
020311	I INSPECTION	Utility	Issued	04/21/2014	20148002268	ZL
0100-	SYSTEM FOR OLED	Ctility	issueu	04/21/2014	2.4	201480022682.4
82CNPX	DISPLAY PANELS	NSPCT			2.4	201480022082.4
0100-	INTEGRATED GATE	Utility	Issued	03/24/2015	14/666,372	10176752
94USPT	DRIVER	- ORG	issueu	03/24/2013	14/000,372	10170732
0100-	DRIVER	Utility	Issued	02/25/2015	14/630,906	10997901
97USPT		- ORG	issueu	02/23/2013	14/030,900	10337301
0100-		Utility	Publishe	04/05/2021	17/222,032	
97USC1	DISPLAY SYSTEM	- CON	d	04/03/2021	17/222,032	
0100-	COMPENSATION	Utility	Issued	01/22/2016	15/004,398	10181282
126USPT	FOR COLOR	- ORG	issueu	01/22/2010	15/004,398	10181282
0100-	VARIATIONS IN	Utility	Publishe	01/25/2016	10201620096	
126DEPT	EMISSIVE DEVICES	- ORG	d	01/23/2010	6.4	
0100-	SYSTEMS AND	Utility	Issued	03/31/2016	15/086,217	10152915
131USPT	METHODS OF	- ORG	issueu	03/31/2010	13/080,217	10132913
1310311	DISPLAY	Utility	Publishe	03/31/2016	10201620536	
0100-	BRIGHTNESS	- ORG	d	03/31/2010	3.9	
131DEPT	ADJUSTMENT	- 01.0	l u		3.9	
0100-	SYSTEMS AND	Utility	Issued	10/14/2016	15/293,526	10102808
136USPT	METHODS OF	- ORG	133000	10/14/2010	13,233,320	10102000
0100-	MULTIPLE COLOR	Utility	Issued	09/25/2018	16/140,899	10446086
136USC1	DRIVING	- CON	133000	05/25/2018	10, 170,000	1077000
0100-	HIGH DENSITY PIXEL	Utility	Issued	10/25/2016	15/333,734	10204540
137USPT	PATTERN	- ORG	155000	10,23,2010	15,555,754	10204540
0100-	I ATTEMN	Utility	Issued	11/30/2015	14/953,527	9842889
138USPT	HIGH PIXEL DENSITY	- ORG	133000	11,30,2013	17,333,321	7072007
0100-	ARRAY	Utility	Issued	11/13/2017	15/811,206	10170522
138USC1	ARCHITECTURE	- CON	155464	11,13,201/	13,011,200	101,0322
1300361	/ MOINTECTORE	LCON			<u> </u>	<u> </u>

0100-		Utility	Issued	11/22/2018	16/198,842	10680043
138USC2		- CON				
0100-		Utility	Issued	10/17/2018	16/162,856	10803804
142USPT		- ORG				
0100-		Utility	Issued	09/10/2020	17/016,813	11404004
142USC1	PIXEL CIRCUIT,	- CON				
0100-	DISPLAY, AND	Utility	Allowed	06/20/2022	17/844,105	
142USC2	METHOD	- CON				
0100-	DISPLAY SYSTEM	Utility	Issued	04/11/2019	16/381,577	10943540
149USPT	WITH	- ORG				
0100-	CONTROLLABLE	Utility	Issued	04/11/2019	20191029051	ZL201910290516.
149CNPT	CONNECTION	- ORG			6.7	7

### • Stability Control

		Matter				
File #	Title	Туре	Status	Date Filed	Application #	Patent #
0100-		Utility -	Issued	06/04/2013	13/909,177	8743096
22USC1		CON				
0100-		Utility -	Issued	04/28/2014	14/263,628	9633597
22USC2		CON				
0100-		Utility -	Issued	03/17/2017	15/462,529	9842544
22USC3		CON				
0100-		Utility -	Issued	11/08/2017	15/807,339	10127860
22USC4		CON				
0100-	STABLE DRIVING	Utility -	Issued	10/15/2018	16/159,944	10453397
22USC5	SCHEME FOR	CON				
0100-	ACTIVE MATRIX	Utility -	Issued	09/12/2019	16/568,511	10650754
22USC6	DISPLAYS	CON				
0100-		Utility -	Issued	04/15/2009	12/424,185	8299984
28USPT		ORG				
0100-	PIXEL CIRCUIT,	Utility -	Issued -	04/15/2009	09733076.5	2281288
28EPPX	DISPLAY SYSTEM	NSPCT	Validated			
0100-	AND DRIVING	Utility -	Issued	04/15/2009	09733076.5	2281288
28EPPX-DE	METHOD THEREOF	EPPAT				
	PIXEL CIRCUITS FOR	Utility -	Issued	12/06/2017	15/832,962	10586491
0100-	MITIGATION OF	ORG				
139USPT	HYSTERESIS					

### Low Power

		Matter				
File #	Title	Туре	Status	Date Filed	Application #	Patent #

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0100-		Utility -	Issued	05/17/2012	13/474,131	9134825
55USPT		ORG				
0100-		Utility -	Issued	08/14/2014	14/459,979	9606607
55USP1		CIP				
0100-		Utility -	Issued	02/14/2017	15/431,974	10249237
55USC1		CON				
0100-		Utility -	Issued	02/14/2019	16/275,904	10607543
55USC2	SYSTEMS AND	CON				
0100-	METHODS FOR	Utility -	Issued	05/17/2012	201610344219.2	ZL201610344219.2
55CND1	DISPLAY SYSTEMS	DIV				
0100-	WITH DYNAMIC	Utility -	Issued	05/17/2012	201280023695.4	ZL201280023695.4
55CNPX	POWER CONTROL	NSPCT				

### • Optical De-Mura

		Matter				
File #	Title	Туре	Status	Date Filed	Application #	Patent #
0100-		Utility -	Issued	05/17/2017	15/597,947	10714018
140USPT		ORG				
0100-		Utility -	Issued	07/13/2020	16/927,228	11410614
140USC1		CON				
0100-		Utility -	Published	07/06/2022	17/858,498	
140USC2		CON				
0100-	SYSTEM AND METHOD	Utility -	Published	05/17/2018	202110598944.3	
140CND1	FOR LOADING IMAGE	DIV				
0100-	CORRECTION DATA FOR	Utility -	Issued	05/17/2018	201810472761.5	ZL
140CNPT	DISPLAYS	ORG				201810472761.5
0100-	OPTICAL CORRECTION	Utility -	Issued	08/11/2017	15/675,095	11025899
141USPT	SYSTEMS AND	ORG				
0100-	METHODS FOR	Utility -	Issued	04/30/2021	17/245,090	11457206
141USC1	CORRECTING NON-	CON				
	UNIFORMITY OF	Utility -	Published	08/24/2022	17/894,501	
0100-	EMISSIVE DISPLAY	CON				
141USC2	DEVICES					
0100-		Utility -	Published	08/21/2020	16/999,184	
160USPT		ORG				
0100-	PIXEL LOCATION	Utility -	Pending	03/15/2023	18/184,343	
160USC1	CALIBRATION IMAGE	CON				
0100-	CAPTURE AND	Utility -	Published	08/21/2020	202080068938.0	
160CNPX	PROCESSING	NSPCT				

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**TABLE 2 – Patent Applications in Grace Period** 

### MaxLife

		Matter	Country			Application	
File #	Title	Туре	Name	Status	Date Filed	#	Patent #
		Utility	China	Issued	12/15/2005	200580048	ZL2005800
0100-						020.5	48020.5
9CNPX		NSPCT					
	•	Utility	European	Issued -	12/15/2005	05819617.	1836697
0100-		-	Patent	Validated		1	
9EPPX		NSPCT	Office				
	-	Utility	Germany	Issued	12/15/2005	05819617.	1836697
0100-		-				1	
9EPPX-DE		EPPAT					
		Utility	France	Issued	12/15/2005	05819617.	1836697
0100-		-				1	
9EPPX-FR		EPPAT					
		Utility	United	Issued	12/15/2005	05819617.	1836697
0100-		-	Kingdom			1	
9EPPX-UK		EPPAT					
		Utility	Germany	Issued	12/15/2005	11168677.	2383720
0100-		-				0	
9EPD1-DE		EPPAT					
	METHOD AND	Utility	Japan	Issued	12/15/2005	2007-	5128287
	SYSTEM FOR	-				545796	
0100-9JPPX	PROGRAMMING,	NSPCT					
0100-	CALIBRATING	Utility	Japan	Issued	03/01/2012	2012-	5822759
9JPD1	AND DRIVING A	- DIV				045806	
0100-	LIGHT EMITTING	Utility	Japan	Issued	11/27/2014	2014-	6086893
9JPD2	DEVICE DISPLAY	- DIV				240307	
		Utility	China	Issued	02/09/2006	200680009	ZL2006800
0100-		-				549.0	09549.0
12CNPX		NSPCT					
		Utility	European	Issued -	02/09/2006	06705133.	1854338
0100-		-	Patent	Validated		4	
12EPPX		NSPCT	Office				
		Utility	Germany	Issued	02/09/2006	06705133.	1854338
0100-		-				4	
12EPPX-DE		EPPAT					
	DRIVING CIRCUIT	Utility	France	Issued	02/09/2006	06705133.	1854338
0100-	FOR CURRENT	-				4	
12EPPX-FR	PROGRAMMED	EPPAT					
	ORGANIC LIGHT-	Utility	United	Issued	02/09/2006	06705133.	1854338
0100-	EMITTING DIODE	-	Kingdom			4	
12EPPX-UK	DISPLAYS	EPPAT					

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13CND1	0100-		Utility	China	Issued	11/15/2011	201610341	ZL2016103
0100-					155464	12, 23, 2011		1 1
13CNPT1				China	Issued	11/15/2011		
Utility   China   Issued   12/15/2014   201480075   Z12014800   75889.8   75899.8   75899.8   75899.8   75899.8   75899.8   75899.8			· ·			,,		1 1
0100-				China	Issued	12/15/2014		
13CNPX2	0100-		_					1 1
O100-			NSPCT					
O100-   13EPPT1				European	Issued -	11/15/2011	11189176.	2453433
13EPPT1	0100-		· ·			,,		
O100-   13EPPT1-  FOR   COMPENSATION   FOR THE   INHOMOGENEITI     13DEPX2		THE SYSTEM						
Tabepti		1	Utility		Issued	11/15/2011	11189176.	2453433
DE			_			, , ,		
FOR THE			EPPAT					
O100-			Utility	Germany	Published	12/15/2014	112014005	
13DEPX2	0100-		_ ′	,		, ,		
13TWPT			NSPCT					
13TWPT	0100-	EMITTING	Utility	Taiwan	Issued	04/12/2006	095113083	1415077
Utility	13TWPT	DEVICE DISPLAY						
0100-			Utility	China	Issued	02/09/2007	200780013	ZL2007800
Utility   European   Issued   O2/09/2007   O7710608.   1987507	0100-		_				047.X	13047.X
O100-   21EPPX	21CNPX		NSPCT					
NSPCT   Office			Utility	European	Issued -	02/09/2007	07710608.	1987507
Utility   Germany   Issued   02/09/2007   07710608.   1987507	0100-		-	Patent	Validated		6	
O100-   21EPPX-DE	21EPPX		NSPCT	Office				
Description			Utility	Germany	Issued	02/09/2007	07710608.	1987507
Utility	0100-		-				6	
O100-   21EPPX-FR	21EPPX-DE		EPPAT					
EPPAT			Utility	France	Issued	02/09/2007	07710608.	1987507
Utility	0100-		-				6	
0100- 21EPPX-GB         METHOD AND SYSTEM FOR LIGHT EMITTING 21EPPX-NL         -         Kingdom EPPAT         O2/09/2007         07710608.         1987507           0100- 21EPPX-NL         DEVICE DISPLAYS         EPPAT         6         6         1987507           SYSTEM AND 0100- 42CNPX         Utility EXTRACTING CORRELATION 42CNPT4         China NSPCT         Issued Issued         02/04/2011 01/06/2016         201180008 201610007 201610007 20161000 201610007 212016100 201610007 212016100 201610007 212016100 201610007 212016100 201610007 212016100 201610007 212016100 201610007 212016100 201610007 212016100 201610007 212016100 201610007 212016100 201610007 212016100 201610007 212016100 201610007 20161000 201610007 20161000 201610007 20161000 201610007 20161000 201610007 20161000 201610007 20161000 20161000 201610007 20161000 2016100 20161	21EPPX-FR		EPPAT					
21EPPX-GB         METHOD AND         EPPAT         SYSTEM FOR         Utility         Netherlan         Issued         02/09/2007         07710608.         1987507           0100- 21EPPX-NL         LIGHT EMITTING DEVICE DISPLAYS         -         ds         6         6         2         6         2         6         2         2         2         188.9         0         2         1800         0			Utility	United	Issued	02/09/2007	07710608.	1987507
SYSTEM FOR   Utility   Netherlan   Issued   02/09/2007   07710608.   1987507	0100-		-	Kingdom			6	
0100- 21EPPX-NL         LIGHT EMITTING DEVICE DISPLAYS         -         ds         6         6           SYSTEM AND 0100- 42CNPX         Utility EXTRACTING CORRELATION 42CNPT4         China NSPCT CURVES FOR AN CURVES FOR AN ORGANIC LIGHT         Issued Horopean         02/04/2011 Issued O1/06/2016         201610007 20161000 201610007 20161000 20161000.         212016100 201610007 20161000.           185.3 07145.3         07145.3           1850300.         3324391	21EPPX-GB	METHOD AND	EPPAT					
21EPPX-NL         DEVICE DISPLAYS         EPPAT         SYSTEM AND         Utility         China         Issued         02/04/2011         201180008         ZL2011800           0100- 42CNPX         METHODS FOR EXTRACTING         - NSPCT         188.9         08188.9           0100- 42CNPT4         CORRELATION CURVES FOR AN ORGANIC LIGHT         Utility China         Issued         01/06/2016         201610007         ZL2016100           145.3         07145.3           02/04/2011         18150300.         3324391		SYSTEM FOR	Utility	Netherlan	Issued	02/09/2007	07710608.	1987507
SYSTEM AND         Utility         China         Issued         02/04/2011         201180008         ZL2011800           0100- 42CNPX         METHODS FOR EXTRACTING         - NSPCT         - NSPCT         188.9         08188.9           0100- 42CNPT4         CORRELATION CURVES FOR AN ORGANIC LIGHT         Utility China         Issued         01/06/2016         201610007         ZL2016100           07145.3         07145.3	0100-	LIGHT EMITTING	-	ds			6	
0100- 42CNPX         METHODS FOR EXTRACTING         - NSPCT         188.9         08188.9           0100- 42CNPT4         CORRELATION CURVES FOR AN ORGANIC LIGHT         Utility - ORG         China - ORG         Issued - O1/06/2016         201610007 201610007         ZL2016100 201610007         212016100 201610007         212016100 2	21EPPX-NL	DEVICE DISPLAYS	EPPAT					
42CNPX         EXTRACTING         NSPCT         SPCT		SYSTEM AND	Utility	China	Issued	02/04/2011		1 1
0100- 42CNPT4         CORRELATION CURVES FOR AN ORGANIC LIGHT         Utility - ORG         China - ORG         Issued - ORG         01/06/2016 - 01/06/2016         201610007 - 20161000         ZL2016100 - 145.3         207145.3           07145.3 <td></td> <td>METHODS FOR</td> <td>-</td> <td></td> <td></td> <td></td> <td>188.9</td> <td>08188.9</td>		METHODS FOR	-				188.9	08188.9
42CNPT4         CURVES FOR AN ORGANIC LIGHT         - ORG - ORGANIC LIGHT         145.3         07145.3           European Issued - 02/04/2011         18150300.         3324391	42CNPX	EXTRACTING	NSPCT					
ORGANIC LIGHT				China	Issued	01/06/2016		1 1
	42CNPT4	CURVES FOR AN	- ORG					
				1		02/04/2011		3324391
0100- EMITTING Utility Patent Validated 4			Utility		Validated		4	
42EPD1 DEVICE - DIV Office	42EPD1	DEVICE	- DIV	Office				

	Utility	Germany	Issued	02/04/2011	18150300.	3324391
0100-	-				4	
<u> </u>	EPPAT					
	Utility	European	Issued -	02/04/2011	11739485.	2531996
0100-	-	Patent	Validated		8	
	NSPCT	Office		02/04/2014	11720105	2524006
	Utility	Germany	Issued	02/04/2011	11739485.	2531996
0100- 42EPPX-DE	- EPPAT				8	
	Utility	China	Issued	03/16/2011	201180014	ZL2011800
	-	Crima	133000	03/10/2011	379.6	14379.6
	NSPCT				3,5.0	113,3.0
0100- EXTRACTING						
44CNPX METHOD						
0100- SYSTEM AND	Utility	China	Issued	12/02/2011	201610285	ZL2016102
48CND1 METHOD FOR	- DIV				819.6	85819.6
THERMAL	Utility	China	Issued	12/02/2011	201110403	ZL2011104
COMPENSATION	- ORG				023.3	03023.3
0100- IN AMOLED						
48CNPT DISPLAYS						
	Utility	China	Issued	03/13/2014	201711164	ZL2017111
	- DIV				105.0	64105.0
	Littlite	China	Issued	03/13/2014	201480027	ZL2014800
0100-	Utility	Crima	issueu	03/13/2014	893.7	27893.7
	NSPCT				055.7	27833.7
	Utility	China	Issued	12/05/2014	201480074	ZL2014800
	-			,,	742.7	74742.7
51CNPX3 CIRCUIT	NSPCT					
0100- PARAMETER	Utility	China	Issued	12/05/2014	201711202	ZL
51CNPX3D FROM A PIXEL	- DIV				814.3	201711202
1 CIRCUIT						814.3
	Utility	Germany	Published	03/13/2014	112014001	
METHODS FOR	-				424.9	
	NSPCT					
THRESHOLD AND						
MOBILITY						
PARAMETERS IN 0100- AMOLED						
51DEPX2 DISPLAYS						
	Utility	Germany	Published	12/05/2014	112014005	
compensation	-	,		, 55, 251 +	546.8	
	NSPCT					
0100- extraction in						
51DEPX3 Amoled displays						

0100-	IMPROVED ESTIMATING	Utility -	China	Issued	11/16/2011	201180071 167.1	ZL2011800 71167.1
53CNPX	SPEED FOR	NSPCT					
0100-	COMPENSATING THE SELF	Utility - DIV	China	Issued	11/16/2011	201610284 450.7	ZL 201610284
53CNPXD1	ADAPTATION REPONSE	111212			11/15/2011	201.1	450.7
	SYSTEM OF	Utility	Japan	Issued	11/16/2011	2014- 511964	6254077
0100-	AGING PIXEL	- NSPCT				311304	
53JPPX	REGION	Norci					
0100-		Utility	China	Issued	01/14/2014	201480008	ZL2014800
74CNPX	AN EMISSION	-				352.X	08352.X
	DISPLAY DRIVE	NSPCT					
	SCHEME	Utility	China	Issued	01/14/2014	201810585	ZL
0100-	PROVIDING	- DIV				859.1	201810585
74CND1	COMPENSATION						859.1
	FOR DRIVE	Utility	Germany	Published	01/14/2014	112014004	
0100-	TRANSISTOR	-				22.7	
74DEPX	VARIATIONS	NSPCT					
		Utility	European	Issued -	03/06/2014	14158051.	2779147
0100-		- ORG	Patent	Validated		4	
78EPPT	_		Office				
0.100	RE-	Utility	Germany	Issued	03/06/2014	14158051.	2779147
0100-	INTERPOLATION	-				4	
78EPPT-DE	WITH EDGE DETECTION FOR	EPPAT	Fuence	Januard .	02/06/2014	14150051	2770147
	EXTRACTING AN	Utility	France	Issued	03/06/2014	14158051. 4	2779147
	AGING PATTERN	- EPPAT				4	
0100-	FOR AMOLED	LFFAI					
78EPPT-FR	DISPLAYS						
		Utility	China	Issued	03/13/2014	201480027	ZL2014800
0100-		-			,,	136.X	27136.X
81CNPX		NSPCT					
	INTEGRATED	Utility	Germany	Published	03/13/2014	112014001	
0100-	COMPENSATION	-				278.5	
81DEPX	DATAPATH	NSPCT					
		Utility	China	Issued	12/06/2014	201480074	ZL
0100-	CORRECTION	-				120.4	201480074
87CNPX	FOR LOCALIZED	NSPCT					120.4
	PHENOMENA IN	Utility	Germany	Published	12/06/2014	201411055	
0100-	AN IMAGE	-				36T	
87DEPX	ARRANGEMENT	NSPCT					
	OLED DISPLAY	Utility	China	Issued	12/06/2014	201480075	ZL2014800
0100-	SYSTEM AND	-				037.9	75037.9
88CNPX	METHOD	NSPCT					

		Utility	Germany	Published	12/06/2014	201411055	
0100-		-				42.5	
88DEPX		NSPCT					
	SCOREBOARD	Utility	Germany	Published	01/31/2019	102019201	
0100-	COMPENSATION	- ORG				265.5	
147DEPT	METHOD						
		Utility	China	Issued	02/12/2019	201910111	ZL
0100-	PIXEL	- ORG				102.3	201910111
150CNPT	MEASUREMENT						102.3
0100-	THROUGH DATA	Utility	Germany	Published	02/11/2019	102019201	
150DEPT	LINE	- ORG				746.0	

### Intelligent Pixel

		Matter	Country			Application	
File #	Title	Туре	Name	Status	Date Filed	#	Patent #
0100-		Utility -	China	Issued	11/15/2005	200580046	ZL2005800
6CNPX		NSPCT				478.7	46478.7
		Utility -	Europea	Issued -	11/15/2005	11175225.	2383721
0100-	SYSTEM AND	DIV	n Patent	Validated		9	
6EPD1	DRIVING		Office				
0100-	METHOD FOR	Utility -	Germany	Issued	11/15/2005	11175225.	2383721
6EPD1-DE1	ACTIVE MATRIX	EPPAT				9	
0100-	LIGHT EMITTING	Utility -	Taiwan	Issued	11/16/2005	094140360	1389085
6TWPT	DEVICE DISPLAY	ORG					
0100-		Utility -	China	Issued	12/06/2005	200580047	ZL2005800
8CNPX		NSPCT				767.9	47767.9
		Utility -	China	Issued	11/28/2017	201711214	ZL
0100-		ORG				956.1	201711214
8CNP2							956.1
0100-		Utility -	China	Issued	10/30/2018	201811276	ZL2018112
8CNP3		ORG				229.2	76229.2
		Utility -	Europea	Issued -	12/06/2005	11175223.	2388764
0100-		NSPCT	n Patent	Validated		4	
8EPD1			Office				
0100-		Utility -	Germany	Issued	12/06/2005	11175223.	2388764
8EPD1-DE		EPPAT				4	
0100-		Utility -	Germany	Published	11/28/2017	102017221	
8DEP2	METHOD AND	ORG				266.7	
0100-	SYSTEM FOR	Utility -	Germany	Published	10/30/2018	102018218	
8DEP3	PROGRAMMING	ORG				597.2	
	AND DRIVING	Utility -	Japan	Issued	12/06/2005	2007-	5459960
0100-8JPPX	ACTIVE MATRIX	NSPCT				544707	
0100-	LIGHT EMITTING	Utility -	Taiwan	Issued	12/07/2005	94143202	1389074
8TWPT	DEVICE PIXEL	ORG					

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0100-	I	Utility -	China	Issued	01/26/2006	200910246	ZL2009104
11CND1		DIV				264.4	6264.4
0100-	A VOLTAGE	Utility -	China	Issued	01/26/2006	200680009	ZL2006800
11CNPX	PROGRAMMED	NSPCT			, ,	980.5	09980.5
	PIXEL CIRCUIT,	Utility -	Europea	Issued -	01/26/2006	06705080.	1846909
0100-	DISPLAY SYSTEM	NSPCT	n Patent	   Validated	, ,	7	
11EPPX	AND DRIVING		Office				
0100-	METHOD	Utility -	Germany	Issued	01/26/2006	06705080.	1846909
11EPPX-DE	THEREOF	EPPAT				7	
0100-		Utility -	China	Issued	01/05/2007	200780007	ZL2007800
20CNPX		NSPCT				727.0	07727.0
0100-	1	Utility -	China	Issued	10/02/2013	201380060	ZL2013800
20CNPX2		NSPCT				382.0	60382.0
0100-	1	Utility -	China	Issued	01/12/2017	201780006	ZL2017800
20CNPX3		NSPCT				504.6	06504.6
		Utility -	Europea	Issued -	01/05/2007	07701644.	1971975
0100-		NSPCT	n Patent	Validated		2	
20EPPX			Office				
0100-		Utility -	Germany	Issued	01/05/2007	07701644.	1971975
20EPPX-DE		EPPAT				2	
		Utility -	Europea	Issued –	01/05/2007	12156251.	2458579
0100-		DIV	n Patent	Validated		6	
20EPD1			Office				
0100-		Utility -	Germany	Issued	01/05/2007	12156251.	2458579
20EPD1-DE		EPPAT				6	
0100-		Utility -	Germany	Published	01/12/2017	112017000	
20DEPX3	METHOD AND	NSPCT				341.5	
0100-	SYSTEM FOR	Utility -	Japan	Issued	01/05/2007	2008-	5164857
20JPPX	DRIVING AN	NSPCT				549724	
0100-	ACTIVE MATRIX	Utility -	Taiwan	Issued	01/09/2007	096100837	I415067
20TWPT	DISPLAY CIRCUIT	ORG			0.4/4.0/2.007	2000	5007040
	Stable drive	Utility -	Japan	Issued	04/18/2007	2009-	5397219
0100	scheme for	NSPCT				505692	
0100-	active matrix						
22JPPX	display SYSTEM AND	Utility -	lanan	Issued	10/18/2010	2011-	5466694
	DRIVING	NSPCT	Japan	Issued	10/18/2010	504297	5466694
	METHOD FOR	NSFCI				304297	
0100-	LIGHT EMITTING						
30JPPX	DEVICE DISPLAY						
0100-	LOW POWER	Utility -	China	Issued	12/08/2009	200980148	ZL2009801
31CNPX	CIRCUIT AND	NSPCT		155464	12,00,2003	912.0	48912.0
0100-	DRIVING	Utility -	Japan	Issued	12/08/2009	2011-	5715063
31JPPX	METHOD FOR	NSPCT	3-4		,,	539859	
	1	1	<u> </u>	I	I		1

	EMISSIVE DISPLAYS						
0100- 41CNPX2	ACTIVE MATRIX/ORGANI C LIGHT EMITTING DISPLAY AND ITS METHOD FOR SAVING ENERGY	Utility - NSPCT	China	Issued	10/06/2014	201480055 123.3	ZL2014800 55123.3
0100- 63CND1		Utility - DIV	China	Issued	12/09/2013	201710839 485.7	ZL 201710839 485.7
0100- 63CNPX		Utility - NSPCT	China	Issued	12/09/2013	201380068 756.3	ZL 201380068 756.3
0100- 63DEPX	PIXEL CIRCUITS	Utility - NSPCT	Germany	Issued	12/09/2013	112013005 918	112013005 918
0100- 63DED1	FOR AMOLED DISPLAYS	Utility - DIV	Germany	Pending	12/09/2013	112013007 844.9	
0100- 77CNPT		Utility - ORG	China	Issued	03/06/2014	201410080 693	ZL2014100 80693
0100- 77EPPT	PIXEL CIRCUITS	Utility - ORG	Europea n Patent Office	Issued - Validated	02/28/2014	14157112. 5	2782090
0100- 77EPPT-DE	FOR AMOLED DISPLAYS	Utility - EPPAT	Germany	Issued	02/28/2014	14157112. 5	2782090
0100- 145DEPT	DISPLAY, PIXEL CIRCUIT, AND METHOD	Utility - ORG	Germany	Published	11/22/2018	102018220 075	
0100-	PIXEL SWITCHING, DISPLAY AND	Utility - ORG	Germany	Published	11/22/2018	102018219 989.2	
146DEPT	METHOD						

### • Generic

		Matter	Country			Application	
File #	Title	Туре	Name	Status	Date Filed	#	Patent #
	PIXEL WITH	Utility -	Japan	Issued	02/24/2004	2006-	5178006
	ORGANIC LIGHT	NSPCT				501428	
0100-	EMITTING DIODE						
14JPPX	AND METHOD						

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	FOR MAKING THE						
	PIXEL						
0100-	LIGHT EMITTING	Utility -	China	Issued	11/12/2010	201080056	ZL2010800
37CNPX	DISPLAY,	NSPCT				457.4	56457.4
	EFFICIENT	Utility -	Japan	Issued	03/31/2016	2016-	6488254
	PROGRAMMING	DIV				072396	
	FOR STABLE						
	CURRENT SOURCE						
	SINK, AND HIGH-						
0100-	SPEED						
37JPD1	CALIBRATION						
0100-		Utility -	China	Issued	12/30/2014	201410844	ZL2014108
60CNP1		ORG				332.8	44332.8
0100-	THIN FILM	Utility -	Germany	Published	12/30/2014	10 2014	
60DEP1	CAPACITOR	ORG				227 034.0	
		Utility -	Europea	Issued –	02/04/2013	13153887.	2624243
0100-		ORG	n Patent	Validated		8	
67EPPT	DRIVING SYSTEM		Office				
0100-	FOR ACTIVE-	Utility -	Germany	Issued	02/04/2013	13153887.	2624243
67EPPT-DE	MATRIX DISPLAYS	EPPAT				8	
0100-	INTEGRATED	Utility -	Germany	Published	03/24/2015	102015205	
94DEPT	GATE DRIVER	ORG				331.8	
0100-		Utility -	Germany	Published	02/26/2015	10 2015	
97DEPT	DISPLAY SYSTEM	ORG				203 408.9	
	PIXEL CIRCUIT,	Utility -	Germany	Published	10/17/2018	102018217	
0100-	DISPLAY, AND	ORG				781.3	
142DEPT	METHOD						

### • Stability Control

		Matter	Country				
File #	Title	Туре	Name	Status	Date Filed	Application #	Patent #
	PIXEL CIRCUIT,	Utility	Japan	Issued	04/15/2009	2011-504296	5467660
	DISPLAY SYSTEM	-					
0100-	AND DRIVING	NSPCT					
28JPPX	METHOD THEREOF						
	PIXEL CIRCUITS	Utility	Germany	Published	12/06/2017	102017222059.7	
0100-	FOR MITIGATION	- ORG					
139DEPT	OF HYSTERESIS						

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## TABLE 3 – Abandoned Patents

# 1. Abandoned Patent Applications in Process of Reinstatement

		Country					Abandoned	
File #	Title		Status	Detailed Status	Date Filed	Application #	Date	Products
	AMOLED DISPLAYS WITH	China	Abandoned		04/02/2019	201910260334.5	11/20/2022	MAXLIFE
	MULTIPLE READOUT			AWAITING CONFIRMATION OF				
0100-80CND1	CIRCUITS			REINSTATEMENT				
	CORRECTION FOR	China	Abandoned		08/26/2019	201910852747.2	11/20/2022	MAXLIFE
	LOCALIZED PHENOMENA IN			AWAITING CONFIRMATION OF				
0100-87CND1	AN IMAGE ARRAY			REINSTATEMENT				
	DISPLAY DEVICE AND	China	Abandoned	AWAITING CONFIRMATION OF	12/06/2014	201910739349.X	11/20/2022	MAXLIFE
0100-88CND1	METHOD			REINSTATEMENT				
	INSPECTION SYSTEM FOR	China	Abandoned	AWAITING CONFIRMATION OF	09/18/2019	201910880316.7	10/17/2022	Generic
0100-82CND1	OLED DISPLAY PANELS			REINSTATEMENT				
	PIXEL CIRCUITS FOR	China	Abandoned	AWAITING CONFIRMATION OF	06/05/2015	201910383556.6	11/17/2022	INT PIXEL
0100-63CND2	AMOLED DISPLAYS			REINSTATEMENT				
	SYSTEM FOR DRIVING	China	Abandoned	AWAITING CONFIRMATION OF	09/02/2015	201910687137.1	11/20/2022	INT PIXEL
0100-77CND2	DISPLAY			REINSTATEMENT				
	PIXEL CIRCUITS FOR	China	Abandoned	AWAITING CONFIRMATION OF	07/03/2019	201910593541.2	11/15/2022	INT PIXEL
0100-77CND1	AMOLED DISPLAYS			REINSTATEMENT				
-0010	DISPLAY, PIXEL CIRCUIT,	China	Abandoned	IN REINSTATEMENT PERIOD -	11/22/2018	201811397384.X	12/26/2022	INT PIXEL
145CNPT	AND METHOD			STRATEGY TO REINSTATE				

PATENT

REEL: 063701 FRAME: 0816

### ы Abandoned Patent Applications after January 1, 2022

		Matter	Country					Abandoned	
File #	Title	Туре	Name	Status	Date Filed	Application #	Patent #	Date	Products
	METHOD AND SYSTEM FOR	Utility -	China	Abandoned	10/30/2018	202210254386.3		05/15/2022	INT PIXEL
	ACTIVE MATRIX LIGHT	-							
0100-8CND2	EMITTING DEVICE PIXEL								
	METHOD AND SYSTEM FOR	Utility -	Germany	Abandoned	08/06/2016	1120161103607T		02/28/2023	MAXLIFE
	PROGRAMMING, CALIBRATING	NSPCT							
	AND DRIVING A LIGHT								
0100-9DEPX2	EMITTING DEVICE DISPLAY								
	DRIVING CIRCUIT FOR	Utility -	Taiwan	Abandoned	02/10/2006	095104627	1409750	03/20/2023	MAXLIFE
	CURRENT PROGRAMMED	ORG							
	ORGANIC LIGHT-EMITTING								
0100-12TWPT	DIODE DISPLAYS								
	METHOD AND SYSTEM FOR	Utility -	Japan	Abandoned	06/08/2006	2008-515013	5355080	03/06/2023	INT PIXEL
	DRIVING A LIGHT EMITTING	NSPCT							
0100-15JPPX	DEVICE DISPLAY								
	METHOD AND SYSTEM FOR	Utility -	Taiwan	Abandoned	02/09/2007	096104837	1450247	02/20/2023	MAXLIFE
	LIGHT EMITTING DEVICE	ORG							
0100-21TWPT	DISPLAYS								
		Utility -	China	Abandoned	06/28/2005	8.250220085002	ZL200580022052.8	12/28/2022	MAXLIFE
0100-24CNPX	VOLTAGE-PROGRAMMING	NSPCT							
	SCHEME FOR CURRENT-	Utility -	China	Abandoned	06/28/2005	201110434894.1	ZL201110434894.1	12/28/2022	MAXLIFE
0100-24CND1	DRIVEN AMOLED DISPLAYS	DIV							
	LOW-POWER CIRCUIT AND	Utility -	European	Abandoned	12/08/2009	20090831339		05/25/2022	INT PIXEL
	DRIVING METHOD FOR ACTIVE	NSPCT	Patent Office						
0100-31EPPX	LIGHT EMITTING DISPLAY								
	COMPENSATION TECHNIQUE	∪tility -	China	Abandoned	06/17/2010	201010205837.1	ZL201010205837.1	12/17/2022	MAXLIFE
0100-34CNPT	FOR COLOR SHIFT IN DISPLAYS	ORG							
	IMPLEMENTATION OF HYBRID	Utility -	China	Abandoned	09/09/2010	201010277068.6	ZL	03/09/2023	INT PIXEL
	DRIVING SCHEME WITH	ORG					201010277068.6		
0100-35CNPT	MULTIPLE GAMMA CURVES								

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								Patent Office	NSPCT		0100-57EPPX
NSCT         Chinay         Abandoned         09/23/2014         11/2014002117         10/31/2022         MAXUFE           Utility- ORG         China         Abandoned         06/23/2015         201510348819.1         21/20150348819.1         12/23/2022         MAXUFE           Utility- ORG         China         Abandoned         06/23/2015         202010811518.9         21/20200811518.9         12/23/2022         MAXUFE           Utility- ORG         Germany         Abandoned         05/22/2015         102015211677.8         21/2020         05/22/2022         MAXUFE           ORG         Utility- ORG         Germany         Abandoned         06/24/2015         102015211677.8         05/12/2022         MAXUFE           Utility- ORG         Germany         Abandoned         07/02/2015         102015212415.0         07/04/2022         MAXUFE           Utility- Sermany         Abandoned         05/11/2011         11755771.0         2710579         11/30/2022         MAXUFE           Utility- Sermany         Abandoned         05/11/2012         12789753.6         2710579         11/30/2022         MAXUFE           Utility- Sermany         Abandoned         05/15/2012         18181961.6         3404646         11/30/2022         INT PIXEL           Uti		MAXLIFE	11/30/2022	2715710	12792244.1	05/26/2012	Abandoned	European	Utility -		
Utility-   Germany   Abandoned   Od/23/2015   201510348819.1   21/201510348819.1   12/23/2022   MAXLIFE									EPPAT	CONTROL OF DISPLAY SYSTEM	DE
NYBOCT         China         Abandoned         04/23/2014         112014002117         10/31/2022         MAXUFE           Urility- ORG         China         Abandoned         06/23/2015         201510348819.1         21201510348819.1         12/23/2022         MAXUFE           Urility- ORG         China         Abandoned         06/23/2015         202010811518.9         21202010811518.9         12/23/2022         MAXUFE           Urility- ORG         Germany         Abandoned         06/24/2015         102015209517.7         05/22/2022         MAXUFE           NSPCT         Patent Office         06/24/2015         102015211677.8         05/14/2022         MAXUFE           NSPCT         Patent Office         05/15/2011         11755771.0         05/16/2022         MAXUFE           NSPCT         Patent Office         05/11/2012         12789753.6         2710579         11/30/2022         MAXUFE           NSPCT         Patent Office         05/11/2012         12789753.6         2710579         11/30/2022         MAXUFE           NSS         Urility- S         Germany         Abandoned         05/11/2012         12789753.6         2710579         11/30/2022         MAXUFE           NSS         Urility- S         European         Abandoned </td <th></th> <td>Low Power</td> <td>11/30/2022</td> <td>2710578</td> <td>12785333.1</td> <td>05/17/2012</td> <td>Abandoned</td> <td>Germany</td> <td>Utility -</td> <td>USAGE DYNAMIC POWER</td> <td>0100-55EPPX-</td>		Low Power	11/30/2022	2710578	12785333.1	05/17/2012	Abandoned	Germany	Utility -	USAGE DYNAMIC POWER	0100-55EPPX-
NYBOCT         OHITINY         Germany         Abandoned         04/23/2015         201510348819.1         21/201510348819.1         10/31/2022         MAXLIFE           UVIIIIY-         China         Abandoned         06/23/2015         201510348819.1         21/201510348819.1         12/23/2022         MAXLIFE           UVIIIY-         China         Abandoned         06/23/2015         202010811518.9         21/202010811518.9         12/23/2022         MAXLIFE           DIV         China         Abandoned         06/23/2015         102015209517.7         05/22/2022         MAXLIFE           ORG         UVIIIY-         Germany         Abandoned         06/24/2015         102015212415.0         05/24/2022         MAXLIFE           VVIIIY-         European         Abandoned         05/14/2011         11755771.0         05/16/2022         MAXLIFE           VVIIIY-         European         Abandoned         05/11/2012         12789753.6         2710579         11/30/2022         MAXLIFE           NASCCT         Patent Office         05/11/2012         12789753.6         602013078111.4         11/30/2022         MAXLIFE           VUIIIY-         Germany         Abandoned         05/12/2012         12789753.6         602013078111.4         11/30/2022								Patent Office	NSPCT	SYSTEM AND METHOD FOR	0100-55EPPX
Utility		Low Power	11/30/2022	2710578	12785333.1	05/17/2012	Abandoned	European	Utility -		
Utility									EPPAT	A DISPLAY	DE
Utility-   Germany   Abandoned   O4/23/2014   11/2014002117   10/31/2022   MAXLIFE   ORG   ORG   O6/23/2015   201510348819.1   21/23/2022   MAXLIFE   ORG   ORG   O6/23/2015   202010811518.9   21/202010811518.9   12/23/2022   MAXLIFE   ORG   ORG   O6/23/2015   O2/21/2015   O2/		INT PIXEL	11/30/2022	2945147	15173106.4	05/26/2012	Abandoned	Germany	Utility -	PROGRAMMING OF PIXELS IN	0100-54EPD1-
Utility-   Germany   Abandoned   04/23/2014   11/2014002117   10/31/2022   MAXLIFE									EPPAT	FAST COMPENSATION	DE
Utility:         Germany Seri         Abandoned O4/23/2014         11/2014002117         10/31/2022         MAXLIFE           Utility:         China         Abandoned         06/23/2015         201510348819.1         21/201510348819.1         12/23/2022         MAXLIFE           ORG         Utility:         China         Abandoned         06/23/2015         202010811518.9         21/202010811518.9         12/23/2022         MAXLIFE           DIV         Germany         Abandoned         05/22/2015         102015209517.7         05/22/2022         MAXLIFE           ORG         Utility:         Germany         Abandoned         06/24/2015         102015211677.8         06/24/2022         MAXLIFE           ORG         Utility:         Germany         Abandoned         07/02/2015         102015212415.0         05/16/2022         MAXLIFE           VIIIIty:         European         Abandoned         03/16/2011         11755771.0         05/16/2022         MAXLIFE           VIIIty:         European         Abandoned         05/11/2012         12789753.6         2710579         11/30/2022         MAXLIFE           VIIIty:         Germany         Abandoned         05/11/2012         12789753.6         602013078111.4         11/30/2022         MAXLIFE <th></th> <td>INT PIXEL</td> <td>11/30/2022</td> <td>3404646</td> <td>18181961.6</td> <td>05/26/2012</td> <td>Abandoned</td> <td>Germany</td> <td>Utility -</td> <td>SYSTEM AND METHOD FOR</td> <td>0100-54EPD2-</td>		INT PIXEL	11/30/2022	3404646	18181961.6	05/26/2012	Abandoned	Germany	Utility -	SYSTEM AND METHOD FOR	0100-54EPD2-
Urtility - NSPCT         Germany         Abandoned         04/23/2014         11/2014002117         10/31/2022         MAXLIFE           Urtility - ORG         China         Abandoned         06/23/2015         201510348819.1         71/201510348819.1         12/23/2022         MAXLIFE           Urtility - ORG         China         Abandoned         06/23/2015         202010811518.9         71/202010811518.9         12/23/2022         MAXLIFE           Urtility - ORG         Germany         Abandoned         05/22/2015         102015209517.7         05/22/2022         MAXLIFE           Urtility - ORG         Germany         Abandoned         06/24/2015         102015211677.8         06/24/2022         MAXLIFE           Urtility - ORG         Germany         Abandoned         07/02/2015         102015212415.0         07/04/2022         MAXLIFE           Urtility - ORG         Patent Office         Abandoned         05/11/2012         11755771.0         05/16/2022         MAXLIFE           Urtility - Patent Office         Abandoned         05/11/2012         12789753.6         2710579         11/30/2022         MAXLIFE           Urtility - Germany         Abandoned         05/11/2012         12789753.6         602013078111.4         11/30/2022         MAXLIFE           <								Patent Office	DIV		0100-54EPD1
Utility- NPCT         Germany China         Abandoned         04/23/2014         112014002117         10/31/2022         MAXLIFE           Utility- ORG         China         Abandoned         06/23/2015         201510348819.1         ZL201510348819.1         12/23/2022         MAXLIFE           Utility- ORG         China         Abandoned         06/23/2015         202010811518.9         ZL202010811518.9         12/23/2022         MAXLIFE           Utility- ORG         Germany         Abandoned         06/24/2015         102015209517.7         21202010811518.9         12/23/2022         MAXLIFE           Utility- ORG         Germany         Abandoned         06/24/2015         102015211677.8         06/24/2022         MAXLIFE           Utility- SPCT         European         Abandoned         03/16/2011         11755771.0         05/16/2022         MAXLIFE           Utility- SPPAT         European         Abandoned         05/11/2012         12789753.6         2710579         11/30/2022         MAXLIFE           Utility- SPPAT         Germany         Abandoned         05/11/2012         12789753.6         602013078111.4         11/30/2022         MAXLIFE           Utility- SPPAT         Germany         Abandoned         05/11/2012         12789753.6         60201307811.1.4<		INT PIXEL	11/30/2022	2945147	15173106.4	05/26/2012	Abandoned	European	Utility -		
Utility- NSPCT         Germany         Abandoned         09/23/2014         112014002117         10/31/2022         MAXLIFE           Utility- ORIG         China         Abandoned         06/23/2015         201510348819.1         ZL201510348819.1         12/23/2022         MAXLIFE           DIV         China         Abandoned         06/23/2015         202010811518.9         ZL202010811518.9         12/23/2022         MAXLIFE           DIV         Utility- ORIG         Germany         Abandoned         06/24/2015         102015209517.7         06/24/2022         MAXLIFE           Utility- ORIG         Germany         Abandoned         07/02/2015         102015211677.8         06/24/2022         MAXLIFE           Utility- Ility- ORIG         European         Abandoned         03/16/2011         11755771.0         05/16/2022         MAXLIFE           Utility- PAT         European         Abandoned         05/11/2012         12789753.6         2710579         11/30/2022         MAXLIFE           Utility- PAT         Germany         Abandoned         05/11/2012         12789753.6         2710579         11/30/2022         MAXLIFE           Utility- PAT         Germany         Abandoned         04/15/2015         102015206815.3         002013078111.4         11/30/2022								Patent Office	DIV		0100-54EPD2
Utility- NSPCT         Germany LUTINA         Abandoned         04/23/2014         11/2014002117         10/31/2022         MAXLIFE           UVIIIIV- DIV         China         Abandoned         06/23/2015         201510348819.1         12/23/2022         MAXLIFE           UVIIIIV- DIV         China         Abandoned         06/23/2015         202010811518.9         2L202010811518.9         12/23/2022         MAXLIFE           UVIIIIV- ORG         Germany         Abandoned         05/22/2015         102015209517.7         2L202010811518.9         12/23/2022         MAXLIFE           UVIIIIV- ORG         Germany         Abandoned         06/24/2015         102015211677.8         2L202010811518.9         05/22/2022         MAXLIFE           UVIIIV- ORG         Germany         Abandoned         07/02/2015         102015212415.0         06/24/2022         MAXLIFE           UVIIIV- SPCT         European Patent Office         Abandoned         03/16/2011         11755771.0         05/16/2022         MAXLIFE           UVIIIV- SPPAT         European Patent Office         Abandoned         05/11/2012         12789753.6         2710579         11/30/2022         MAXLIFE           UVIIIV- SPPAT         Germany         Abandoned         05/11/2012         12789753.6         602013078111.4		INT PIXEL	11/30/2022	3404646	18181961.6	05/26/2012	Abandoned	European	Utility -		
Utility -   Germany   Abandoned   04/23/2014   112014002117   10/31/2022   MAXLIFE									ORG	IN AMOLED DISPLAYS	0100-51DEPT
Utility-Integret         Germany         Abandoned         04/23/2014         112014002117         10/31/2022         MAXLIFE           Uvility-Integret         China         Abandoned         06/23/2015         201510348819.1         21/23/2022         MAXLIFE           Uvility-Integret         China         Abandoned         06/23/2015         202010811518.9         21/201510348819.1         12/23/2022         MAXLIFE           Uvility-Integret         China         Abandoned         06/23/2015         102015209517.7         21/202010811518.9         12/23/2022         MAXLIFE           Uvility-Integret         Germany         Abandoned         06/24/2015         102015209517.7         21/202010811518.9         05/22/2022         MAXLIFE           Uvility-Integret         Germany         Abandoned         06/24/2015         102015211677.8         06/24/2022         MAXLIFE           Uvility-Integret         European         Abandoned         07/02/2015         102015212415.0         07/04/2022         MAXLIFE           Uvility-Integret         European         Abandoned         03/16/2011         11755771.0         05/16/2022         MAXLIFE           Uvility-Integret         European         Abandoned         05/11/2012         12789753.6         2710579         11/30/2022		MAXLIFE	04/15/2022		102015206815.3	04/15/2015	Abandoned	Germany	Utility -	AND MOBILITY PARAMETERS	
Utility- NSPCT         Germany China         Abandoned Abandoned         04/23/2014 06/23/2015         1201510348819.1         21201510348819.1         12/23/2022         MAXLIFE           Urility- ORG         China         Abandoned         06/23/2015         201510348819.1         21201510348819.1         12/23/2022         MAXLIFE           Urility- ORG         China         Abandoned         06/23/2015         102015209517.7         21202010811518.9         12/23/2022         MAXLIFE           Urility- ORG         Germany         Abandoned         05/22/2015         102015209517.7         05/22/2022         MAXLIFE           Urility- ORG         Germany         Abandoned         06/24/2015         102015211677.8         06/24/2022         MAXLIFE           Urility- ORG         Germany         Abandoned         07/02/2015         102015211677.8         06/24/2022         MAXLIFE           Urility- NSPCT         European         Abandoned         03/16/2011         11755771.0         05/16/2022         MAXLIFE           Urility- NSPCT         Patent Office         05/11/2012         12789753.6         2710579         11/30/2022         MAXLIFE           Urility- NSPCT         Germany         Abandoned         05/11/2012         12789753.6         602013078111.4         11/30/2022									EPPAT	EXTRACTION OF THRESHOLD	DE
Utility- NSPCT         Germany         Abandoned         04/23/2014         112014002117         10/31/2022         MAXLIFE           Utility- ORG         China         Abandoned         06/23/2015         201510348819.1         ZL201510348819.1         12/23/2022         MAXLIFE           Utility- DIV         China         Abandoned         06/23/2015         202010811518.9         ZL202010811518.9         12/23/2022         MAXLIFE           Utility- ORG         Germany         Abandoned         05/22/2015         102015209517.7         ZL202010811518.9         12/23/2022         MAXLIFE           Utility- ORG         Germany         Abandoned         06/24/2015         102015211677.8         ZL202010811518.9         05/22/2022         MAXLIFE           Utility- ORG         Germany         Abandoned         06/24/2015         102015211677.8         O6/24/2022         06/24/2022         MAXLIFE           Utility- ORG         European         Abandoned         07/02/2015         102015212415.0         07/04/2022         07/04/2022         MAXLIFE           Utility- ORG         European         Abandoned         03/16/2011         11755771.0         05/16/2022         MAXLIFE           Utility- ORG         European         Abandoned         03/16/2011         11755771.0 <th></th> <td>MAXLIFE</td> <td>11/30/2022</td> <td>602013078111.4</td> <td>12789753.6</td> <td>05/11/2012</td> <td>Abandoned</td> <td>Germany</td> <td>Utility -</td> <td>SYSTEM AND METHODS FOR</td> <td>0100-51EPPX-</td>		MAXLIFE	11/30/2022	602013078111.4	12789753.6	05/11/2012	Abandoned	Germany	Utility -	SYSTEM AND METHODS FOR	0100-51EPPX-
Utility- NSPCT         Germany Sermany         Abandoned         04/23/2014         112014002117         ZL201510348819.1         12/23/2022         MAXLIFE           Utility- ORG         China         Abandoned         06/23/2015         201510348819.1         ZL201510348819.1         12/23/2022         MAXLIFE           Utility- ORG         China         Abandoned         06/23/2015         202010811518.9         ZL202010811518.9         12/23/2022         MAXLIFE           Utility- ORG         Germany         Abandoned         05/22/2015         102015209517.7         China         05/22/2022         MAXLIFE           Utility- ORG         Germany         Abandoned         06/24/2015         10201521677.8         China         06/24/2022         MAXLIFE           Utility- ORG         Germany         Abandoned         07/02/2015         102015211677.8         China         06/24/2022         MAXLIFE           Utility- ORG         European         Abandoned         07/02/2015         102015212415.0         China         07/04/2022         MAXLIFE           Utility- NSPCT         Patent Office         Abandoned         03/16/2011         11755771.0         05/16/2022         MAXLIFE           Utility- NSPCT         European         Abandoned         05/11/2012								Patent Office	NSPCT		0100-51EPPX
Utility - NSPCT         Germany         Abandoned Nd/23/2014         112014002117         112/13/2022         MAXLIFE           Utility - ORG         China         Abandoned         06/23/2015         201510348819.1         ZL201510348819.1         12/23/2022         MAXLIFE           Utility - ORG         China         Abandoned         06/23/2015         202010811518.9         ZL202010811518.9         12/23/2022         MAXLIFE           ORG         Utility - Germany         Abandoned         05/22/2015         102015209517.7         05/22/2022         MAXLIFE           ORG         Utility - Germany         Abandoned         06/24/2015         102015211677.8         06/24/2022         MAXLIFE           Utility - Germany         Abandoned         07/02/2015         102015212415.0         06/24/2022         MAXLIFE           Utility - Germany         Abandoned         07/02/2015         102015212415.0         06/24/2022         MAXLIFE           Utility - Germany         Abandoned         07/02/2015         102015212415.0         07/04/2022         MAXLIFE           Utility - Germany         Abandoned         07/02/2015         102015212415.0         07/04/2022         MAXLIFE           Utility - Germany         Abandoned         07/02/2015         102015212415.0         07		MAXLIFE	11/30/2022	2710579	12789753.6	05/11/2012	Abandoned	European	Utility -		
Utility-         Germany         Abandoned         04/23/2014         112014002117         10/31/2022         MAXLIFE           NSPCT         China         Abandoned         06/23/2015         201510348819.1         ZL201510348819.1         12/23/2022         MAXLIFE           ORG         Utility-         China         Abandoned         06/23/2015         202010811518.9         ZL202010811518.9         12/23/2022         MAXLIFE           DIV         Germany         Abandoned         05/22/2015         102015209517.7         ZL202010811518.9         12/23/2022         MAXLIFE           ORG         Utility-         Germany         Abandoned         06/24/2015         102015211677.8         05/22/2022         MAXLIFE           Utility-         Germany         Abandoned         06/24/2015         102015211677.8         06/24/2022         MAXLIFE           Utility-         Germany         Abandoned         07/02/2015         102015212415.0         06/24/2022         MAXLIFE           Utility-         Germany         Abandoned         07/02/2015         102015212415.0         07/04/2022         MAXLIFE           Utility-         European         Abandoned         03/16/2011         11755771.0         05/16/2022         MAXLIFE										METHODS	0100-44EPPX
Utility- NSPCT         Germany         Abandoned Abandoned         04/23/2014 06/23/2015         112014002117         1201510348819.1         10/31/2022         MAXLIFE           Urility- ORG         China         Abandoned         06/23/2015         201510348819.1         ZL201510348819.1         12/23/2022         MAXLIFE           Urility- ORG         China         Abandoned         06/23/2015         202010811518.9         ZL202010811518.9         12/23/2022         MAXLIFE           Urility- ORG         Germany         Abandoned         05/22/2015         102015209517.7         ZL202010811518.9         05/22/2022         MAXLIFE           Urility- ORG         Germany         Abandoned         06/24/2015         102015211677.8         06/24/2022         MAXLIFE           Urility- ORG         Germany         Abandoned         07/02/2015         102015211677.8         06/24/2022         MAXLIFE           Urility- ORG         Germany         Abandoned         07/02/2015         102015211677.8         07/04/2022         MAXLIFE           Urility- ORG         Germany         Abandoned         07/02/2015         102015212415.0         07/04/2022         MAXLIFE								Patent Office	NSPCT	PARAMETER EXTRACTION	
Utility- NSPCT         Germany         Abandoned         04/23/2014         112014002117         10/31/2022         MAXLIFE           Utility- ORG         China         Abandoned         06/23/2015         201510348819.1         ZL201510348819.1         12/23/2022         MAXLIFE           Utility- DIV         China         Abandoned         06/23/2015         202010811518.9         ZL202010811518.9         12/23/2022         MAXLIFE           Utility- ORG         Germany         Abandoned         05/22/2015         102015209517.7         ZL202010811518.9         12/23/2022         MAXLIFE           Utility- ORG         Germany         Abandoned         06/24/2015         102015211677.8         06/24/2022         MAXLIFE           Utility- ORG         Germany         Abandoned         06/24/2015         102015211677.8         06/24/2022         MAXLIFE           WAXLIFE         MAXLIFE         06/24/2022         MAXLIFE         06/24/2022         MAXLIFE		MAXLIFE	05/16/2022		11755771.0	03/16/2011	Abandoned	European	Utility -	LIFETIME UNIFORMITY	
Utility- NSPCT         Germany         Abandoned         04/23/2014         112014002117         10/31/2022         MAXLIFE           Utility- ORG         China         Abandoned         06/23/2015         201510348819.1         ZL201510348819.1         12/23/2022         MAXLIFE           Utility- DIV         China         Abandoned         06/23/2015         202010811518.9         ZL202010811518.9         12/23/2022         MAXLIFE           Utility- ORG         Germany         Abandoned         05/22/2015         102015209517.7         ZL202010811518.9         05/22/2022         MAXLIFE           Utility- ORG         Germany         Abandoned         06/24/2015         102015211677.8         06/24/2022         MAXLIFE									ORG	LIGHT EMITTING DEVICE	0100-42DEPT3
Utility- NSPCT         Germany         Abandoned         04/23/2014         112014002117         10/31/2022         MAXLIFE           Utility- ORG         China         Abandoned         06/23/2015         201510348819.1         ZL201510348819.1         12/23/2022         MAXLIFE           Utility- DIV         China         Abandoned         06/23/2015         202010811518.9         ZL202010811518.9         12/23/2022         MAXLIFE           Utility- ORG         Germany         Abandoned         05/22/2015         102015209517.7         05/22/2022         MAXLIFE           Utility- ORG         Germany         Abandoned         06/24/2015         102015211677.8         06/24/2022         MAXLIFE		MAXLIFE	07/04/2022		102015212415.0	07/02/2015	Abandoned	Germany	Utility -	CURVES FOR AN ORGANIC	
Utility-         Germany         Abandoned         04/23/2014         112014002117         10/31/2022         MAXLIFE           NSPCT         Utility-         China         Abandoned         06/23/2015         201510348819.1         ZL201510348819.1         12/23/2022         MAXLIFE           ORG         Utility-         China         Abandoned         06/23/2015         202010811518.9         ZL202010811518.9         12/23/2022         MAXLIFE           DIV         Utility-         Germany         Abandoned         05/22/2015         102015209517.7         202010811518.9         05/22/2022         MAXLIFE           Utility-         Germany         Abandoned         06/24/2015         102015211677.8         06/24/2022         MAXLIFE								,	ORG	EXTRACTING CORRELATION	0100-42DEPT2
Germany         Abandoned         04/23/2014         112014002117         10/31/2022         MAXLIFE           China         Abandoned         06/23/2015         201510348819.1         ZL201510348819.1         12/23/2022         MAXLIFE           China         Abandoned         06/23/2015         202010811518.9         ZL202010811518.9         12/23/2022         MAXLIFE           Germany         Abandoned         05/22/2015         102015209517.7         05/22/2022         MAXLIFE		MAXLIFE	06/24/2022		102015211677.8	06/24/2015	Abandoned	Germany	Utility -	SYSTEM AND METHODS FOR	
Germany         Abandoned         04/23/2014         112014002117         10/31/2022         MAXLIFE           China         Abandoned         06/23/2015         201510348819.1         ZL201510348819.1         12/23/2022         MAXLIFE           China         Abandoned         06/23/2015         202010811518.9         ZL202010811518.9         12/23/2022         MAXLIFE           Germany         Abandoned         05/22/2015         102015209517.7         05/22/2022         MAXLIFE	P								ORG		0100-42DEPT1
Germany         Abandoned         04/23/2014         112014002117         10/31/2022         MAXLIFE           China         Abandoned         06/23/2015         201510348819.1         ZL201510348819.1         12/23/2022         MAXLIFE           China         Abandoned         06/23/2015         202010811518.9         ZL202010811518.9         12/23/2022         MAXLIFE	 AT	MAXLIFE	05/22/2022		102015209517.7	05/22/2015	Abandoned	Germany	Utility -		
Germany         Abandoned         04/23/2014         112014002117         10/31/2022         MAXLIFE           China         Abandoned         06/23/2015         201510348819.1         ZL201510348819.1         12/23/2022         MAXLIFE           China         Abandoned         06/23/2015         202010811518.9         ZL202010811518.9         12/23/2022         MAXLIFE	ΈI								DIV		0100-42CND2
Germany         Abandoned         04/23/2014         112014002117         10/31/2022         MAXLIFE           China         Abandoned         06/23/2015         201510348819.1         ZL201510348819.1         12/23/2022         MAXLIFE	 TV	MAXLIFE	12/23/2022	ZL202010811518.9	202010811518.9	06/23/2015	Abandoned	China	Utility -		
Germany Abandoned 04/23/2014 112014002117 10/31/2022  China Abandoned 06/23/2015 201510348819.1 ZL201510348819.1 12/23/2022									ORG		0100-42CNPT2
Germany Abandoned 04/23/2014 112014002117 10/31/2022		MAXLIFE	12/23/2022	ZL201510348819.1	201510348819.1	06/23/2015	Abandoned	China	Utility -		
Germany									NSPCT		0100-39DEPX2
		MAXLIFE	10/31/2022		112014002117	04/23/2014	Abandoned	Germany	Utility -		

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0100-81DEPT	0100-80DEPT	0100-77CNPX	0100-77CNP1	0100-74CNP1		DE DE	0100-72EPPX			0100-70EPPT-DE		0100-70EPPT			0100-63DEP1		0100-61EPPX		DE	0100-57EPPX-	DE	0100-57EPD1-	0100-57EPD1	_
DISPLAY SYSTEM WITH SHARED LEVEL RESOURCES FOR PORTABLE DEVICES	COMPENSATION OF STRUCTURAL AND LOW FREQUENCY IRREGULARITIES		PIXEL CIRCUITS FOR AMOLED DISPLAYS	PIXEL MEASUREMENTS IN EMISSIVE DISPLAYS	CLEANING COMMON UNWANTED SIGNALS FROM		PROPAGATION DELAY	COMPENSATION FOR LINE	DISPLAY SYSTEMS WITH			DISPLAY SYSTEM THEREFORE	RESET CAPACITOR, AND	FEEDBACK CAPACITOR AND	DISPLAYS	PIXEL CIRCUITS FOR AMOLED	ARCHITECTURE	HIGH RESOLUTION DISPLAY	AMOLED DISPLAYS	AGING COMPENSATION IN	SYSTEMS AND METHODS FOR			
Utility - ORG	Utility - ORG	Utility - NSPCT	Utility - ORG		Utility - ORG	EPPAT	-	NSPCT	Utility -	EPPAT	Utility -			ORG -	ORG	Utility -	NSPCT	Utility -	EPPAT	Utility -	EPPAT	Utility -	DIV	Utility -
Germany	Germany	China	China		China	Germany	)	Patent Office	European		Germany			Patent Office	1	Germany	Patent Office	European		Germany		Germany	Patent Office	European
Abandoned	Abandoned	Abandoned	Abandoned		Abandoned	Abandoned			Abandoned		Abandoned			Abandoned		Abandoned		Abandoned		Abandoned		Abandoned		Abandoned
04/08/2015	04/17/2015	06/16/2016	09/02/2015		09/23/2015	05/22/2013			05/22/2013		05/08/2013			05/08/2013		06/05/2015		04/05/2013		05/26/2012		05/26/2012		05/26/2012
102015206281.3	102015206964.8	201680033218.4	201510557564.X		201510613617.5	13/94695.0			13794695.0		13167083.8			1316/083.8		102015210399.4		13782028.8		12792244.1		17195377.1		17195377.1
		ZL201680033218.4	ZL201510557564.X		ZL201510613617.5	2852947			2852947		2662852			2682832						2715710		3293726		3293726
10/31/2022	04/17/2022	12/16/2022	03/02/2023		03/23/2023	11/30/2022			11/30/2022		11/30/2022			11/30/2022	11 (20 (20 )	06/05/2022		07/17/2022		11/30/2022		11/30/2022		11/30/2022
MAXLIFE	MAXLIFE	INT PIXEL	INT PIXEL		MAXLIFE	MAXLIFE			MAXLIFE		INT PIXEL			IN PIXEL		INT PIXEL		MAXLIFE		MAXLIFE		MAXLIFE		MAXLIFE
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		Utility -	Germany	Abandoned	12/23/2014	102014226982.2	10/02/2022   MAXLIFE	MAXLIFE
0100-90DEPT	ELECTRODE CONTACTS	ORG						
	ARRAY ARCHITECTURE WITH	Utility -	Germany	Abandoned	11/30/2015	102015223707.9	11/30/2022   Generic	Generic
0100-138DEPT	HIGH PIXEL DENSITY	ORG						_
	SYSTEM AND METHOD FOR	Utility -	Germany	Abandoned	05/11/2018	102018207342.2	11/30/2022	11/30/2022   Optical De-Mura
	LOADING IMAGE CORRECTION	ORG						
0100-140DEPT	DATA FOR DISPLAYS							ΛΤ
		Utility -	China	Abandoned	08/10/2018	201810910187.7	07/01/2022	07/01/2022   Optical De-Mura
0100-141CNPT	THE SYSTEM AND METHOD	ORG						
	FOR OPTICAL CORRECTION	Utility -	Germany	Abandoned	08/08/2018	102018213311.5	02/28/2023	02/28/2023   Optical De-Mura
0100-141DEPT	FOR DISPLAY DEVICE	ORG						

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