

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6117198

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SORAA, INC.	03/23/2020

RECEIVING PARTY DATA

Name:	ECOSENSE LIGHTING, INC.
Street Address:	837 NORTH SPRING STREET
Internal Address:	SUITE 103
City:	LOS ANGELES
State/Country:	CALIFORNIA
Postal Code:	90012

PROPERTY NUMBERS Total: 161

Property Type	Number
Application Number:	16203045
Application Number:	16168311
Patent Number:	10553754
Application Number:	15633425
Application Number:	16694483
Application Number:	16688627
Application Number:	16550996
Application Number:	16518452
Application Number:	16511750
Application Number:	29636127
PCT Number:	US2017038625
Application Number:	15270928
Application Number:	61778002
Application Number:	16446022
Application Number:	16397001
Application Number:	16390842
Application Number:	16390716
Application Number:	16385045
Application Number:	16377452

PATENT

Property Type	Number
Application Number:	16377457
Application Number:	16354875
Application Number:	16234207
Application Number:	16168471
Application Number:	16168387
Application Number:	16154853
Application Number:	15986253
Application Number:	15489261
Application Number:	15383897
Application Number:	15261351
Application Number:	29636105
Application Number:	16139609
Application Number:	15674077
Application Number:	14975467
Application Number:	29636123
Application Number:	29673014
Application Number:	14543164
Application Number:	15712019
Application Number:	15883174
Application Number:	29591259
Application Number:	15592729
Application Number:	15878110
Application Number:	15344206
Application Number:	15653900
Application Number:	14751065
Application Number:	15135287
Application Number:	15851125
Application Number:	29601870
Application Number:	14936371
Application Number:	16031144
Application Number:	29601871
Application Number:	14944097
Application Number:	14531545
Application Number:	15047604
Application Number:	15618236
Application Number:	16031121
Application Number:	15785950
Application Number:	15051326

Property Type	Number
Application Number:	15661515
Application Number:	15229959
Application Number:	15226656
Application Number:	14819010
Application Number:	13945763
Application Number:	14336276
Application Number:	15700562
Application Number:	14054234
Application Number:	29591973
Application Number:	29591977
Application Number:	14996143
Application Number:	14697390
Application Number:	15418268
Application Number:	29539504
Application Number:	15426662
Application Number:	14135098
Application Number:	15154581
Application Number:	15077387
Application Number:	14992939
Application Number:	13593128
Application Number:	15051119
Application Number:	29546119
Application Number:	29554095
Application Number:	29554110
Application Number:	29538204
Application Number:	14615315
Application Number:	15074665
Application Number:	14166692
Application Number:	13357578
Application Number:	14199398
Application Number:	29456727
Application Number:	14528818
Application Number:	14316685
Application Number:	14632755
Application Number:	14827709
Application Number:	14698574
Application Number:	13894203
Application Number:	13865760

Property Type	Number
Application Number:	29492740
Application Number:	29492704
Application Number:	14040379
Application Number:	13211145
Application Number:	29490770
Application Number:	13787582
Application Number:	14191679
Application Number:	13431834
Application Number:	29489662
Application Number:	14075936
Application Number:	29441960
Application Number:	29475769
Application Number:	29495625
Application Number:	29495601
Application Number:	29441116
Application Number:	29475766
Application Number:	29475764
Application Number:	29475763
Application Number:	14014112
Application Number:	14629049
Application Number:	29458298
Application Number:	29454826
Application Number:	14181386
Application Number:	14528876
Application Number:	29441108
Application Number:	29469709
Application Number:	13781633
Application Number:	13937338
Application Number:	13856613
Application Number:	14310957
Application Number:	29439581
Application Number:	13304182
Application Number:	13491483
Application Number:	14256670
Application Number:	13973213
Application Number:	13909752
Application Number:	13274489
Application Number:	13959422

Property Type	Number
Application Number:	13723968
Application Number:	13269193
Application Number:	13328978
Application Number:	13931359
Application Number:	13281221
Application Number:	13482956
Application Number:	13025833
Application Number:	13025849
Application Number:	13298617
Application Number:	29423725
Application Number:	13600988
Application Number:	13298905
Application Number:	13025791
Application Number:	12936238
Application Number:	13419325
Application Number:	13025860
Application Number:	13163498
Application Number:	13163482
Application Number:	12914789
Application Number:	29399523
Application Number:	29399524
Application Number:	12879784
Application Number:	12858379
Application Number:	13184160
Application Number:	29456725
Application Number:	15466697
Application Number:	16780362
Application Number:	16786277

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.

Phone: 4844442262

Email: docketing@fisherbroyles.com, jennifer.chungo@fisherbroyles.com

Correspondent Name: FISHERBROYLES, LLP

Address Line 1: 1650 MARKET STREET

Address Line 2: 36TH FLOOR

Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103

ATTORNEY DOCKET NUMBER:	14151
NAME OF SUBMITTER:	STEPHEN DRISCOLL
SIGNATURE:	/Stephen Driscoll/
DATE SIGNED:	05/21/2020

Total Attachments: 27

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ASSIGNMENT AND ASSUMPTION AGREEMENT

THIS ASSIGNMENT AND ASSUMPTION AGREEMENT (this “**Agreement**”) dated as of March 23, 2020, is made by and between Soraa, Inc., a Delaware corporation (“**Assignor**”), and Ecosense Lighting, a Delaware corporation (“**Assignee**”).

RECITALS

WHEREAS, Assignor and Assignee have entered into an Asset Purchase Agreement, dated as of the date hereof (“**Asset Purchase Agreement**”), pursuant to which, upon the terms and subject to the conditions set forth therein, Assignor shall sell and Assignee shall purchase the Assets and Assignee shall assume the Assumed Liabilities, as specified in the Asset Purchase Agreement, at the Closing and as of the Closing Date.

NOW, THEREFORE, in consideration of the promises and the mutual agreements and covenants contained herein and in the Agreement and for other good and valuable consideration, the receipt of which is hereby acknowledged, the parties hereto agree as follows:

AGREEMENT

1. General Assignment. In accordance with the terms of the Asset Purchase Agreement, Assignor hereby sells, assigns, conveys, transfers and agrees to deliver to Assignee, effective as of the Closing Date:

a. all right, title and interest in and to, and rights, duties and obligations under, the Assigned Contracts and Assumed Liabilities;

b. all of Assignor’s right, title and interest to the Intellectual Property owned by Assignor including Assignor’s rights in any abandoned, cancelled, rejected or expired Intellectual Property owned by Assignor, and including without limitation, the Seller Owned Intellectual Property, and any part, component, aspect, element and right thereof (collectively, the “**Assigned Intellectual Property**”);

c. (i) the exclusive right to exercise, exploit, assign, transfer, commercialize, develop, improve, and grant rights and licenses under and with respect to any of the Assigned Intellectual Property, and to sue or otherwise enforce, and continue any suit or other enforcement, for any infringement of Assigned Intellectual Property occurring before or after the Closing Date, subject in each case to (A) all Out-Bound Licenses, covenants not to sue, waivers, releases and similar rights granted by Assignor to third parties under the Assigned Intellectual Property (x) set forth on Schedule 5.19(m) of the Asset Purchase Agreement, or (y) pursuant to (1) non-disclosure agreements entered into in the ordinary course of business, (2) Contracts with employees, consultants and independent contractors substantially on a form previously provided to Assignee, and (3) non-exclusive licenses and authorizations granted to Assignor’s customers, distributors, resellers and manufacturers in the ordinary course of business and (B) the Patent license granted by Assignee to Assignor under the Asset Purchase Agreement and attached as Schedule B thereto (the “**Patent License**”), and (ii) all statutory, contractual and other claims, demands, and causes of action for royalties, fees, or other income from, or infringement, misappropriation or violation of,

any of the Assigned Intellectual Property, and all of the proceeds from the foregoing that are accrued and unpaid as of, and/or accruing after, the Closing Date; and

d. the exclusive right to file, continue, discontinue, prosecute, abandon, maintain, cancel, let expire, apply for and obtain statutory rights and registrations with respect to any Assigned Intellectual Property, including without limitation any Assigned Intellectual Property conceived, developed or reduced to practice prior to the Closing Date solely by individuals who were employees or consultants of Assignors within the scope of their employment or engagement, subject in each case to all rights granted by Assignor to third parties prior to the Closing Date as set forth in Schedule 5.19(d) of the Asset Purchase Agreement (such provisions in Section 1(a) through (d), the “**Assignment**”).

2. Assumption. In accordance with the terms of the Asset Purchase Agreement, the undersigned Assignee hereby accepts the Assignment and agrees to completely and timely perform all obligations on the part of Assignor under or in relation to the Assigned Contracts, if any, and further agrees to be liable for, perform, pay and discharge any and all of the Assumed Liabilities, if any, from and after the Closing Date.

3. Domain Names. In furtherance of the Assignment in Section 1 above, Assignor hereby irrevocably transfers, conveys, sells and assigns to Assignee all right, title and interest, everywhere in the world, in and to the domain names registrations included in the Assigned Intellectual Property, which are listed on Schedule A hereto, and all subdomains thereunder.

4. Patents. In furtherance of the Assignment in Section 1 above, Assignor hereby irrevocably transfers, conveys, sells and assigns all of Assignor’s right, title and interest, everywhere in the world, in and to the Patents included in the Assigned Intellectual Property, which are set forth in Schedule B, including, but not limited to, any continuations, divisions, continuations-in-part, substitutes, reissues, reexaminations, extensions and renewals thereof, together with all priority rights (including, but not limited to, all provisional patent applications and PCT applications) and counterpart applications (including, but not limited to, all pending and granted national stage applications) under any existing or future international patent conventions, agreements or treaties, to Assignee. Assignor hereby authorizes and requests the Commissioner of the United States Trademark and Patent Office, and the corresponding entity or agency in any applicable foreign country, to record Assignee as assignee and owner of the foregoing Patents. Upon the Closing, Assignor shall instruct its patent counsel to promptly transfer (electronically, to the extent commercially feasible) to Assignee or its designated counsel all documents in the possession of Seller’s patent counsel that are related to the Patents included in the Assigned Intellectual Property, including, without limitation, documents related to all provisional patent applications and PCT applications owned by Seller. Assignor covenants and agrees that it has not executed, and will not execute, any agreement in conflict herewith.

5. Trademarks. In furtherance of the Assignment in Section 1 above, Assignor hereby irrevocably transfers, conveys, sells and assigns all of Assignor’s right, title and interest, everywhere in the world, in and to the Marks included in the Assigned Intellectual Property, which are set forth in Schedule C (the “**Assigned Marks**”), to Assignee, together with the goodwill of the business in connection with and symbolized by the Assigned Marks, and pursuant to Section 10 of the Trademark Act, 15 U.S.C. §1060, such assignment includes the portion of the business of

Assignor to which the Assigned Marks pertain, and all rights to sue (including filing and prosecuting opposition, cancellation and other similar proceedings) and for recovery, damages and profits due or accrued, arising out of or in connection with, any and all past, present and future infringements or dilution of or damage or injury to the Assigned Marks or such associated goodwill, if any. Assignor hereby authorizes and requests the Commissioner of the United States Trademark and Patent Office, and the corresponding entity or agency in any applicable foreign country, to record Assignee as assignee and owner of the Assigned Marks. Assignor covenants and agrees that it has not executed, and will not execute, any agreement in conflict herewith.

6. Copyrights. In furtherance of the Assignment in Section 1 above, Assignor hereby irrevocably transfers, conveys, sells and assigns all of Assignor's right, title and interest, everywhere in the world, in and to the Copyrights included in the Assigned Intellectual Property to Assignee, including without limitation all of Assignor's rights in derivative works and modifications thereof. Assignor hereby waives any and all moral rights claims associated with the Copyrights included in the Assigned Intellectual Property, including, but not limited to, the right to be known as the author, the right to object to any alterations to a work, the right to prevent others from being named as the author of a work, the right to prevent others from falsely attributing to one the authorship of work that one has not in fact written, the right to prevent others from making changes in a work, the right to withdraw a published work from distribution and the right to prevent others from using a work or in the author's name in such a way as to reflect on the author's professional standing.

7. Miscellaneous.

a. Definitions. Capitalized terms used but not defined herein shall be defined as set forth in the Asset Purchase Agreement.

b. Power of Attorney. Assignor irrevocably designates and appoints Assignee and its duly authorized officers and agents as Assignor's agent and attorney in fact, to act for and in Assignor's behalf and stead to execute and file any documents necessary to perfect the assignment to Assignee of the Assigned Intellectual Property and to do all other lawfully permitted acts to further the prosecution and issuance of letters patent, trademark or copyright registrations thereon with the same legal force and effect as if executed by or on behalf of Assignor. The power of attorney granted pursuant to this Section 7(b) is given in consideration of the agreements and covenants of Assignor in connection with the transactions contemplated by this Agreement and, as such, is coupled with an interest and shall be irrevocable.

c. Further Assurances. Assignor hereby covenants that, from time to time after the delivery of this Agreement, at Assignee's request and reasonable expense, Assignor will do, execute, acknowledge and deliver, or will cause to be done, executed, acknowledged and delivered such further acts, conveyances, transfers, assignments, powers of attorney and assurances as Assignee may reasonably require to convey, transfer to and vest in Assignee, and to put Assignee in possession of, any of the Assigned Contracts, Assumed Liabilities and Assigned Intellectual Property.

d. No Modification. Nothing contained in this Agreement is intended to or shall be deemed to modify, alter, amend or otherwise change any of the rights or obligations of

Assignor, Assignee or any other party under the Asset Purchase Agreement. Notwithstanding anything to the contrary contained in this Agreement, in the event of any conflict between the terms of this Agreement and the terms of the Asset Purchase Agreement, the terms of the Asset Purchase Agreement shall govern.

e. Successors and Assigns. This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns. Nothing in this Agreement, express or implied, is intended to or shall confer upon any other Person any rights, interests, benefits or remedies of any nature whatsoever under or by reason of this Agreement.

f. Counterparts. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which together shall constitute one and the same instrument.

g. Severability. If any provision of this Agreement is held to be unenforceable for any reason, it shall be adjusted rather than voided, if possible, in order to achieve the intent of the parties to this Agreement to the fullest extent possible. In any event, all other provisions of this Agreement shall be deemed valid and enforceable to the fullest extent possible.

h. Governing Law. **THIS AGREEMENT IS MADE UNDER, AND SHALL BE CONSTRUED AND ENFORCED IN ACCORDANCE WITH, THE LAWS OF DELAWARE APPLICABLE TO AGREEMENTS MADE AND TO BE PERFORMED SOLELY THEREIN, WITHOUT GIVING EFFECT TO PRINCIPLES OF CONFLICTS OF LAW.** In any action between or among any of the parties, whether arising out of this Agreement or otherwise, (a) each of the parties irrevocably and unconditionally consents and submits to the exclusive jurisdiction and venue of the state and federal courts located in the State of Delaware; (b) if any such action is commenced in a state court, no party shall object to the removal of such action to any federal court located in the State of Delaware; (c) **EACH OF THE PARTIES HERETO HEREBY IRREVOCABLY WAIVES ALL RIGHT TO TRIAL BY JURY IN ANY ACTION, PROCEEDING OR COUNTERCLAIM (WHETHER BASED ON CONTRACT, TORT OR OTHERWISE) ARISING OUT OF OR RELATING TO THIS AGREEMENT OR THE ACTIONS OF ANY OF THE PARTIES HERETO IN THE NEGOTIATION, ADMINISTRATION, PERFORMANCE AND ENFORCEMENT HEREOF;** and (d) each of the parties irrevocably consents to service of process by first class certified mail, return receipt requested, postage prepaid, to the address at which such party is to receive notice in accordance with Section 12.2 of the Asset Purchase Agreement.

8. Headings. The section headings contained in this Agreement are inserted for convenience only and shall not affect in any way the meaning or interpretation of this Agreement.

[Remainder of page intentionally left blank]

IN WITNESS WHEREOF, each party hereto has duly executed this Assignment and Assumption Agreement as of the date first above written.

ASSIGNOR:

SORAA, INC.

By: 
Name: Kieran Drain
Title: President

[Sun – Signature Page to Assignment and Assumption Agreement]

IN WITNESS WHEREOF, each party hereto has duly executed this Assignment and Assumption Agreement as of the date first above written.

ASSIGNEE:

ECOSENSE LIGHTING, INC.

By: 
Name: Mark Reynoso
Title: Chief Executive Officer

PATENT

DocId: 36705220, 4/3/2016 8:00:23 AM bc2137a79
REEL: 052725 FRAME: 0033

SCHEDULE A

DOMAIN NAMES

bluefreeled.com	helia-light.com	heliasmartlights.org	nightwhitelighting.net
bluefree-led.com	helialightbulbs.com	helia-smartlights.org	nightwhitelighting.org
bluefreeled.info	helialight-bulbs.com	LIGHTINGPLUGFEST.COM	PEOPLEAGAINSTBADLIGHTING.COM
bluefree-led.info	helialightbulbs.info	LIGHTINGPLUGFEST.INFO	SORAA.ASIA
bluefreeled.net	helialight-bulbs.info	LIGHTINGPLUGFEST.ORG	SORAA.BIZ
bluefree-led.net	helialightbulbs.net	livelight-helia.com	SORAA.CA
bluefreeled.org	helialight-bulbs.net	livelight-helia.info	SORAA.CO
bluefree-led.org	helialightbulbs.org	livelight-helia.net	SORAA.CO.IN
bluefreeledlighting.com	helialight-bulbs.org	livelight-helia.org	SORAA.CO.UK
bluefreeled-lighting.com	helialighting.com	night-white.com	SORAA.COM
bluefreeledlighting.info	helia-lighting.com	night-white.info	SORAA.COM.TW
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bluefreeledlighting.net	helia-lighting.info	night-white.org	SORAA.IN
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bluefreeledlighting.org	helia-lighting.net	nightwhitelight.info	SORAA.ME
bluefreeled-lighting.org	helialighting.org	nightwhitelight.net	SORAA.MX
GANONGAN.COM	helia-lighting.org	nightwhitelight.org	SORAA.ORG
GAN-ON-GAN.COM	heliasmartlights.com	nightwhitelightbulbs.com	SORAA.TW
helia.com	helia-smartlights.com	nightwhitelightbulbs.info	SORAA.US
helia-health.com	heliasmartlights.info	nightwhitelightbulbs.net	SORAA.WS
helialed.com	helia-smartlights.info	nightwhitelightbulbs.org	SORAA.XXX
helia-led.com	heliasmartlights.net	nightwhitelighting.com	SORAALAMPS.COM
helialight.com	helia-smartlights.net	nightwhitelighting.info	SORAALEDS.COM
soraa.kr	soraa.co.kr	soraa.jp	soraasky.com
soraa.hk	soraa.com.hk		

SCHEDULE B

PATENTS

Current patents and pending patent applications:

	Title	Country	Status	Filed Date	App. Number	Grant Date	Patent No.
1.	LED LAMPS WITH IMPROVED QUALITY OF LIGHT	USA	Allowed	2018-11-28	16/203,045		
2.	HIGH-PERFORMANCE LED FABRICATION	USA	Allowed	2018-10-23	16/168,311		
3.	POWER LIGHT EMITTING DIODE AND METHOD WITH UNIFORM CURRENT DENSITY OPERATION	USA	Granted	2018-05-29	15/991,951	2020-02-04	10,553,754
4.	BACTERICIDAL LIGHT SOURCE WITH HIGH QUALITY OF LIGHT	USA	Allowed	2017-06-26	15/633,425		
5.	III-NITRIDE LED WITH TUNNEL JUNCTION	USA	Application	2019-11-25	16/694,483		
6.	SMALL LED SOURCE WITH HIGH BRIGHTNESS AND HIGH EFFICIENCY	USA	Application	2019-11-19	16/688,627		
7.	MULTI-FUNCTION ACTIVE ACCESSORIES FOR LED LAMPS	USA	Application	2019-08-26	16/550,996		
8.	LOW BLUE LIGHT DISPLAYS	USA	Application	2019-07-22	16/518,452		
9.	CONTROLLING OXYGEN CONCENTRATION LEVELS DURING PROCESSING OF HIGHLY-REFLECTIVE CONTACTS	USA	Application	2019-07-15	16/511,750		
10.	LOW BLUE LIGHT DISPLAYS	Japan	Application	2018-08-03	2018-147286		
11.	TRACK LAMP WITH DRIVER	USA	Application	2018-02-06	29/636,127		
12.	INTELLIGENT MODULES FOR INTELLIGENT NETWORKS	Japan	Application	2017-06-22	2018-567077		
13.	LIGHT EMITTING DIODE PACKAGE	Patent Cooperation Treaty	Application	2017-06-21	PCT/US2017/038625		
14.	LIGHT EMITTING DIODE PACKAGE	Japan	Application	2017-06-21	2018-567076		
15.	LIGHT EMITTING DIODE PACKAGE	USA	Application	2017-06-21	16/312,470		
16.	GALLIUM AND NITROGEN CONTAINING TRIANGULAR OR DIAMOND-SHAPED CONFIGURATION FOR OPTICAL DEVICES	USA	Application	2016-09-20	15/270,928		
17.	SYSTEM AND METHOD FOR SELECTED PUMP LEDs WITH MULTIPLE PHOSPHORS	Japan	Application	2015-05-05	2017-122984		
18.	HIGH-PERFORMANCE LED FABRICATION	European Patent	Application	2015-02-05	17165385.0		
19.	CIRCADIAN-FRIENDLY LED LIGHT SOURCE	China	Application	2014-08-29	2014104371458		
20.	CIRCADIAN-FRIENDLY LED LIGHT SOURCE	Japan	Application	2014-08-28	2019-024827		

	Title	Country	Status	Filed Date	App. Number	Grant Date	Patent No.
21.	LED LAMP AND ACCESSORY	Germany (Federal Republic of)	Application	2013-11-14	40201310111 8.1		402013101 118-0001
22.	SEMICONDUCTOR DIE	China	Application	2013-06-13	20133024847 2.5		ZL 201330248 472.5
23.	TRIANGULAR SEMICONDUCTOR DIE	Japan	Application	2013-06-12	D2013-18085		
24.	TRIANGULAR SEMICONDUCTOR DIE	Germany (Federal Republic of)	Application	2013-06-12	40 2013 002 758.0		402013002 758-0001
25.	LED LAMPS WITH IMPROVED QUALITY OF LIGHT	Japan	Application	2013-05-07	2013-097298		
26.	LED LAMPS WITH IMPROVED QUALITY OF LIGHT	Japan	Application	2013-05-07	2016-234576		
27.	LED LAMPS WITH IMPROVED QUALITY OF LIGHT	United States of America	Application	2013-03-12	61/778,002		
28.	HEATSINK FOR LED	China	Application	2012-02-15	20123002950 5.2		ZL 201230029 505.2
29.	SYSTEM AND METHOD FOR SELECTED PUMP LEDS WITH MULTIPLE PHOSPHORS	China	Application	2011-08-19	20171054326 98		
30.	SYSTEM AND METHOD FOR SELECTED PUMP LEDS WITH MULTIPLE PHOSPHORS	Japan	Application	2011-08-19	2013-525007		
31.	SYSTEM AND METHOD FOR SELECTED PUMP LEDS WITH MULTIPLE PHOSPHORS	Korea, Republic of (KR)	Application	2011-08-19	10-2019-7011564		
32.	A LIGHT EMITTING DIODE DEVICE	China	Application	2010-09-20	20171036498 11		
33.	POWER LIGHT EMITTING DIODE AND METHOD WITH CURRENT DENSITY OPERATION	Japan	Application	2010-09-20	2012-529969		
34.	CIRCADIAN-FRIENDLY LED LIGHT SOURCE	Japan	Opposed	2014-08-28	2014-174472	2019-02-15	6480126
35.	HIGH EFFICIENCY GROUP-III NITRIDE LIGHT EMITTING DIODE	USA	Published	2019-06-19	16/446,022		
36.	CIRCADIAN-FRIENDLY LED LIGHT SOURCES	USA	Published	2019-04-29	16/397,001		
37.	INTELLIGENT MODULES FOR INTELLIGENT NETWORKS	USA	Published	2019-04-22	16/390,842		
38.	CONTROLLING PHYSIOLOGICAL CONDITIONS BY CONTROLLING ENVIRONMENTAL CONDITIONS	USA	Published	2019-04-22	16/390,716		
39.	ACCESSORIES FOR LED LAMP SYSTEMS	USA	Published	2019-04-16	16/385,045		
40.	INTELLIGENT MODULES FOR INTELLIGENT NETWORKS	USA	Published	2019-04-08	16/377,452		

	Title	Country	Status	Filed Date	App. Number	Grant Date	Patent No.
41.	INTELLIGENT MODULES FOR INTELLIGENT NETWORKS	USA	Published	2019-04-08	16/377,457		
42.	FLIP-CHIP PACKAGE	USA	Published	2019-03-15	16/354,875		
43.	INTELLIGENT MODULES FOR INTELLIGENT NETWORKS	USA	Published	2018-12-27	16/234,207		
44.	CIRCADIAN-FRIENDLY LED LIGHT SOURCE	USA	Published	2018-10-23	16/168,471		
45.	DYNAMIC POWER SUPPLY FOR LIGHT EMITTING DIODE	USA	Published	2018-10-23	16/168,387		
46.	LIGHT EMITTING DIODE WITH LOW REFRACTIVE INDEX MATERIAL LAYERS TO REDUCE LIGHT GUIDING EFFECTS	USA	Published	2018-10-09	16/154,853		
47.	LOW BLUE LIGHT DISPLAYS	China	Published	2018-08-06	20181088580 2.3		
48.	LOW BLUE LIGHT DISPLAYS	European Patent	Published	2018-08-03	18187307.6		
49.	INDIUM GALLIUM NITRIDE LIGHT EMITTING DEVICES	USA	Published	2018-05-22	15/986,253		
50.	INTELLIGENT MODULES FOR INTELLIGENT NETWORKS	China	Published	2017-06-22	20178005138 1.8		
51.	INTELLIGENT MODULES FOR INTELLIGENT NETWORKS	Germany (Federal Republic of)	Published	2017-06-22	11 2017 003 157.5		
52.	LED-Package; LIGHT EMITTING DIODE PACKAGE	Germany (Federal Republic of)	Published	2017-06-21	11 2017 003 086.2		
53.	LIGHT EMITTING DIODE PACKAGE	China	Published	2017-06-21	20178005128 3.4		
54.	SYSTEM AND METHOD FOR SELECTED PUMP LEDs WITH MULTIPLE PHOSPHORS	USA	Published	2017-04-17	15/489,261		
55.	TREATMENT OF EYE CONDITION USING ADJUSTABLE LIGHT	USA	Published	2016-12-19	15/383,897		
56.	SYSTEM AND METHOD FOR PROVIDING COLOR LIGHT SOURCES IN PROXIMITY TO PREDETERMINED WAVELENGTH CONVERSION STRUCTURES	USA	Published	2016-09-09	15/261,351		
57.	CIRCADIAN-FRIENDLY LED LIGHT SOURCE	Korea, Republic of (KR)	Published	2014-08-29	10-2014-0114140		
58.	CIRCADIAN-FRIENDLY LED LIGHT SOURCE	Germany (Federal Republic of)	Published	2014-07-30	10 2014110 833.7		
59.	LED LAMPS WITH IMPROVED QUALITY OF LIGHT	Germany (Federal	Published	2013-05-03	DE 10 2013 007 698.6		

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		Republic of)					
60.	LIGHT EMITTING DIODE WITH LOW REFRACTIVE INDEX MATERIAL LAYERS TO REDUCE LIGHT GUIDING EFFECTS	European Patent	Published	2013-03-06	13757051.1		
61.	IMPROVED ACCESSORIES FOR LED LAMPS	Germany (Federal Republic of)	Published	2012-08-31	10201201725 5.9		
62.	METHODS AND SYSTEMS FOR EPITAXIAL PROCESSES ON MISCUT BULK SUBSTRATES	Germany (Federal Republic of)	Published	2012-03-30	10201200661 3.9		
63.	ILLUMINATION SOURCE WITH REDUCED INNER CORE SIZE	Germany (Federal Republic of)	Published	2012-02-13	10201200285 9.8		
64.	SYSTEM AND METHOD FOR SELECTED PUMP LEDS WITH MULTIPLE PHOSPHORS	Germany (Federal Republic of)	Published	2011-08-19	11 2011 102 386.3		
65.	SYSTEM AND METHOD FOR SELECTED PUMP LEDS WITH MULTIPLE PHOSPHORS	Korea, Republic of (KR)	Published	2011-08-19	10-2013-7006992		
66.	GALLIUM AND NITROGEN CONTAINING TRIANGULAR OR DIAMOND-SHAPED CONFIGURATION FOR OPTICAL DEVICES	Germany (Federal Republic of)	Published	2011-06-20	11201110206 8.6		
67.	POWER LIGHT EMITTING DIODE AND METHOD WITH CURENT DENSITY OPERATION	Germany (Federal Republic of)	Published	2010-09-20	11201000370 0.0		
68.							
69.	HEATSINK	USA	Granted	2018-02-06	29/636,105	2020-01-21	D873224
70.	SMALL LED SOURCE WITH HIGH BRIGHTNESS AND HIGH EFFICIENCY	USA	Granted	2018-09-24	16/139,609	2020-01-07	10,529,902
71.	HIGH EFFICIENCY GROUP-III NITRIDE LIGHT EMITTING DIODE	Germany (Federal Republic of)	Granted	2019-06-19	20 2019 103 446.7	2019-11-29	20 2019 103 446
72.	III-NITRIDE LED WITH TUNNEL JUNCTION	USA	Granted	2017-08-10	15/674,077	2019-11-26	10490696
73.	CONTACT FOR SEMICONDUCTOR DEVICE	USA	Granted	2015-12-18	14/975,467	2019-11-05	10468553
74.	HEATSINK WITH HINGES	USA	Granted	2018-02-06	29/636,123	2019-10-29	D864880
75.	LIGHTING FIXTURE	USA	Granted	2018-12-11	29/673,014	2019-10-29	D865271
76.	MULTI-FUNCTION ACTIVE ACCESSORIES FOR LED LAMPS	USA	Granted	2014-11-17	14/543,164	2019-10-08	10436422
77.	LOW BLUE LIGHT DISPLAYS	USA	Granted	2017-09-21	15/712,019	2019-09-03	10,401,683

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78.	CONTROLLING OXYGEN CONCENTRATION LEVELS DURING PROCESSING OF HIGHLY-REFLECTIVE CONTACTS	USA	Granted	2018-01-30	15/883,174	2019-08-06	10,374,122
79.	LAMP	USA	Granted	2017-01-18	29/591,259	2019-07-16	D854196
80.	LAMP POWER LINE COMMUNICATION	USA	Granted	2017-05-11	15/592,729	2019-06-25	10333586
81.	CIRCADIAN-FRIENDLY LED LIGHT SOURCES	USA	Granted	2018-01-23	15/878,110	2019-06-18	10,324,250
82.	ACCESSORIES FOR LED LAMP SYSTEMS	USA	Granted	2016-11-04	15/344,206	2019-06-04	10309620
83.	SMART LIGHTING SYSTEM WITH ULTRA-LOW STANDBY CONSUMPTION	USA	Granted	2017-07-19	15/653,900	2019-05-21	10299360
84.	LIGHT EMITTING DIODE DRIVER	USA	Granted	2015-06-25	14/751,065	2019-04-23	10,271,391
85.	CONTROLLING PHYSIOLOGICAL CONDITIONS BY CONTROLLING ENVIRONMENTAL CONDITIONS	USA	Granted	2016-04-21	15/135,287	2019-04-23	10,271,400
86.	INTELLIGENT MODULES FOR INTELLIGENT NETWORKS	USA	Granted	2017-12-21	15/851,125	2019-04-23	10,270,489
87.	SYSTEM AND METHOD FOR SELECTED PUMP LEDS WITH MULTIPLE PHOSPHORS	USA	Granted	2011-08-19	10-2018-7012715	2019-04-22	10-1973142
88.	BARREL LIGHTING FIXTURE	USA	Granted	2017-04-26	29/601,870	2019-01-15	D838406
89.	LUMINAIRE FOR EMITTING DIRECTIONAL AND NONDIRECTIONAL LIGHT	USA	Granted	2015-11-09	14/936,371	2019-01-15	10180521
90.	LED LAMPS WITH IMPROVED QUALITY OF LIGHT	USA	Granted	2018-07-10	16/031,144	2019-01-01	10,168,009
91.	GABLE LIGHTING FIXTURE	USA	Granted	2017-04-26	29/601,871	2018-12-25	D836826
92.	DYNAMIC POWER SUPPLY FOR LIGHT EMITTING DIODE	USA	Granted	2015-11-17	14/944,097	2018-12-11	10154552
93.	SYSTEM AND METHOD FOR PROVIDING COLOR LIGHT SOURCES IN PROXIMITY TO PREDETERMINED WAVELENGTH CONVERSION STRUCTURES	USA	Granted	2014-11-03	14/531,545	2018-12-04	10147850
94.	LED LAMP WITH REARWARD EXTENDING HEATSINK	USA	Granted	2016-02-18	15/047,604	2018-11-27	10139091
95.	LED LAMPS WITH IMPROVED QUALITY OF LIGHT	USA	Granted	2017-06-09	15/618,236	2018-11-27	10,139,056
96.	CIRCADIAN-FRIENDLY LED LIGHT SOURCE	USA	Granted	2018-07-10	16/031,121	2018-11-27	10137277
97.	HIGH-PERFORMANCE LED FABRICATION	USA	Granted	2017-10-17	15/785,950	2018-10-30	10,115,865
98.	LIGHT EMITTING DIODE WITH LOW REFRACTIVE INDEX MATERIAL LAYERS TO REDUCE LIGHT GUIDING EFFECTS	USA	Granted	2016-02-23	15/051,326	2018-10-09	10096755
99.	SMALL LED SOURCE WITH HIGH BRIGHTNESS AND HIGH EFFICIENCY	USA	Granted	2017-07-27	15/661,515	2018-09-25	10,084,121

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100.	CIRCADIAN-FRIENDLY LED LIGHT SOURCE	USA	Granted	2016-08-05	15/229,959	2018-09-18	10,076,633
101.	METHODS AND DEVICES FOR LIGHT EXTRACTION FROM A GROUP III-NITRIDE VOLUMETRIC LED USING SURFACE AND SIDEWALL ROUGHENING	USA	Granted	2016-08-02	15/226,656	2018-08-07	10,043,946
102.	FILTERS FOR CIRCADIAN LIGHTING	USA	Granted	2015-08-05	14/819,010	2018-08-07	10,041,649
103.	ILLUMINATION SOURCE WITH REDUCED WEIGHT	USA	Granted	2013-07-18	13/945,763	2018-07-31	10,036,544
104.	GLARE REDUCED COMPACT LENS FOR HIGH INTENSITY LIGHT SOURCE	USA	Granted	2014-07-21	14/336,276	2018-06-12	9,995,439
105.	POWER LIGHT EMITTING DIODE AND METHOD WITH UNIFORM CURRENT DENSITY OPERATION	USA	Granted	2017-09-11	15/700,562	2018-05-29	9,985,179
106.	INDIUM GALLIUM NITRIDE LIGHT EMITTING DEVICES	USA	Granted	2013-10-15	14/054,234	2018-05-22	9,978,904
107.	LED LAMP	USA	Granted	2017-01-25	29/591,973	2018-03-20	D813,423
108.	LED LAMP	USA	Granted	2017-01-25	29/591,977	2018-03-20	D813,424
109.	CIRCADIAN-FRIENDLY LED LIGHT SOURCES	USA	Granted	2016-01-14	14/996,143	2018-03-13	9,915,775
110.	CONTROLLING OXYGEN CONCENTRATION LEVELS DURING PROCESSING OF HIGHLY-REFLECTIVE CONTACTS	USA	Granted	2015-04-27	14/697,390	2018-03-13	9,917,227
111.	DENSE-LUMINESCENT-MATERIALS-COATED VIOLET LEDS	China	Granted	2013-12-23	20131071845 3.3	2018-01-09	ZL 201310718 453.3
112.	HIGH-PERFORMANCE LED FABRICATION	USA	Granted	2017-01-27	15/418,268	2017-11-28	9,831,388
113.	ARRAY OF TRIANGULAR SEMICONDUCTOR DIES	USA	Granted	2015-09-15	29/539,504	2017-11-21	D803,171
114.	LED LAMPS WITH IMPROVED QUALITY OF LIGHT	China	Granted	2013-05-06	20131016339 0.X	2017-10-24	ZL 201310163 390X
115.	POWER LIGHT EMITTING DIODE AND METHOD WITH UNIFORM CURRENT DENSITY OPERATION	USA	Granted	2017-02-07	15/426,662	2017-09-19	9,768,353
116.	DENSE-LUMINESCENT-MATERIALS-COATED VIOLET LEDS	USA	Granted	2013-12-19	14/135,098	2017-09-12	9,761,763
117.	SYSTEM AND METHOD FOR SELECTED PUMP LEDS WITH MULTIPLE PHOSPHORS	China	Granted	2011-08-19	20118004022 1.6	2017-07-28	
118.	POWER LIGHT EMITTING DIODE AND METHOD WITH CURRENT DENSITY OPERATION	China	Granted	2010-09-20	20108005214 8.X	2017-06-13	ZL 201080052 148.X
119.	LED LAMPS WITH IMPROVED QUALITY OF LIGHT	USA	Granted	2016-05-13	15/154,581	2017-06-13	9,677,723

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120.	SYSTEM AND METHOD FOR SELECTED PUMP LEDs WITH MULTIPLE PHOSPHORS	USA	Granted	2016-03-22	15/077,387	2017-05-23	9,660,152
121.	IMPROVED ACCESSORIES FOR LED LAMPS	Japan	Granted	2012-08-31	2015-160563	2017-05-19	6144302
122.	METHOD AND SYSTEM FOR EPITAXY PROCESSES ON MISCUT BULK SUBSTRATES	USA	Granted	2016-01-11	14/992,939	2017-05-16	9,653,650
123.	METHOD FOR SMOOTHING SURFACE OF A SUBSTRATE CONTAINING GALLIUM AND NITROGEN	USA	Granted	2012-08-23	13/593,128	2017-05-09	9,646,827
124.	LIGHT EMITTING DIODES WITH LOW REFRACTIVE INDEX MATERIAL LAYERS TO REDUCE LIGHT GUIDING EFFECTS	China	Granted	2013-03-06	2013800203029	2017-05-03	ZL 2013800203029
125.	APPORTIONING OPTICAL PROJECTION PATHS IN AN LED LAMP	USA	Granted	2016-02-23	15/051,119	2017-04-11	9,618,183
126.	SPOT LAMP	USA	Granted	2015-11-19	29/546,119	2017-03-14	D781,467
127.	LED LAMP	USA	Granted	2016-02-08	29/554,095	2017-03-14	D781,468
128.	FLOOD LAMP	USA	Granted	2016-02-08	29/554,110	2017-03-07	D780,957
129.	PORTION OF A LED LAMP	USA	Granted	2015-09-01	29/538,204	2017-02-28	D780,347
130.	HIGH-PERFORMANCE LED FABRICATION	USA	Granted	2015-02-05	14/615,315	2017-02-28	9,583,678
131.	POWER LIGHT EMITTING DIODE AND METHOD WITH UNIFORM CURRENT DENSITY OPERATION	USA	Granted	2016-03-18	15/074,665	2017-02-07	9,564,553
132.	GALLIUM AND NITROGEN CONTAINING TRIANGULAR OR DIAMOND-SHAPED CONFIGURATION FOR OPTICAL DEVICES	Japan	Granted	2015-07-12	2015-139276	2017-01-13	6073988
133.	GALLIUM AND NITROGEN CONTAINING TRIANGULAR OR DIAMOND-SHAPED CONFIGURATION FOR OPTICAL DEVICES	China	Granted	2011-06-20	201180029188.7	2016-11-30	ZL 201180029188.7
134.	ACCESSORIES FOR LED LAMP SYSTEMS	USA	Granted	2014-01-28	14/166,692	2016-11-08	9,488,324
135.	GALLIUM AND NITROGEN CONTAINING TRIANGULAR OR DIAMOND-SHAPED CONFIGURATION FOR OPTICAL DEVICES	USA	Granted	2012-01-24	13/357,578	2016-09-20	9,450,143
136.	MULTI-PART HEAT EXCHANGER FOR LED LAMPS	USA	Granted	2014-03-06	14/199,398	2016-09-06	9,435,525
137.	TRIANGULAR SEMICONDUCTOR DIE	USA	Granted	2013-06-03	29/456,727	2016-08-16	D763,806
138.	SMALL LED SOURCE WITH HIGH BRIGHTNESS AND HIGH EFFICIENCY	USA	Granted	2014-10-30	14/528,818	2016-08-16	9,419,189
139.	CIRCADIAN FRIENDLY LED LIGHT SOURCE	USA	Granted	2014-06-26	14/316,685	2016-08-09	9,410,664

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140.	METHODS AND DEVICES FOR LIGHT EXTRACTION FROM A GROUP III-NITRIDE VOLUMETRIC LED USING SURFACE AND SIDEWALL ROUGHENING	USA	Granted	2015-02-26	14/632,755	2016-08-02	9,406,843
141.	CONTACTS FOR AN N-TYPE GALLIUM AND NITROGEN SUBSTRATE FOR OPTICAL DEVICES	USA	Granted	2015-08-17	14/827,709	2016-06-28	9,379,280
142.	LED LAMPS WITH IMPROVED QUALITY OF LIGHT	USA	Granted	2015-04-28	14/698,574	2016-06-14	9,368,695
143.	COMPACT LENS FOR HIGH INTENSITY LIGHT SOURCE	USA	Granted	2013-05-14	13/894,203	2016-06-07	9,360,190
144.	IMPROVED ACCESSORIES FOR LED LAMPS	USA	Granted	2012-09-03	20121032268 7.1	2016-04-27	ZL 201210322 6871
145.	COMPACT LENS FOR HIGH INTENSITY LIGHT SOURCE	USA	Granted	2013-04-18	13/865,760	2016-04-12	9,310,052
146.	LED LIGHT MODULE	USA	Granted	2014-06-02	29/492,740	2016-04-12	D753,850
147.	LED LAMP	USA	Granted	2014-06-02	29/492,704	2016-03-29	D752,777
148.	POWER LIGHT EMITTING DIODE AND METHOD WITH UNIFORM CURRENT DENSITY OPERATION	USA	Granted	2013-09-27	14/040,379	2016-03-22	9,293,644
149.	SYSTEM AND METHOD FOR SELECTED PUMP LEDs WITH MULTIPLE PHOSPHORS	USA	Granted	2011-08-16	13/211,145	2016-03-22	9,293,667
150.	FLOOD LAMP	USA	Granted	2014-05-13	29/490,770	2016-03-08	D751,227
151.	LIGHT EMITTING DIODES WITH LOW REFRACTIVE INDEX MATERIAL LAYERS TO REDUCE LIGHT GUIDING EFFECTS	USA	Granted	2013-03-06	13/787,582	2016-02-23	9,269,876
152.	APPORTIONING OPTICAL PROJECTION PATHS IN AN LED LAMP	USA	Granted	2014-02-27	14/191,679	2016-02-23	9,267,661
153.	METHODS AND SYSTEMS FOR EPITAXIAL PROCESSES ON MISCUT BULK SUBSTRATES	China	Granted	2012-04-05	20121009811 7.9	2016-02-03	ZL 201210098 1179
154.	GALLIUM AND NITROGEN CONTAINING TRIANGULAR OR DIAMOND-SHAPED CONFIGURATION FOR OPTICAL DEVICES	Japan	Granted	2011-06-20	2013-515583	2016-01-15	5870097
155.	MISCUT BULK SUBSTRATES	USA	Granted	2012-03-27	13/431,834	2016-01-12	9,236,530
156.	SPOT LAMP	USA	Granted	2014-05-01	29/489,662	2016-01-05	D747,010
157.	HIGH-TEMPERATURE ULTRA-LOW RIPPLE MULTI-STAGE LED DRIVER AND LED CONTROL CIRCUITS	USA	Granted	2013-11-08	14/075,936	2015-12-15	9,215,764
158.	DIAMOND-SHAPED SEMICONDUCTOR DIE	USA	Granted	2013-01-11	29/441,960	2015-11-17	D743,356
159.	LED LAMP	USA	Granted	2013-12-06	29/475,769	2015-11-03	D742,555
160.	FLOOD LAMP	USA	Granted	2014-07-02	29/495,625	2015-10-20	D741,508
161.	SPOT LAMP	USA	Granted	2014-07-02	29/495,601	2015-10-20	D741,507

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162.	ARRAY OF TRIANGULAR SEMICONDUCTOR DIES	USA	Granted	2012-12-31	29/441,116	2015-09-22	D739,363
163.	LED LAMP	USA	Granted	2013-12-06	29/475,766	2015-09-22	D739,570
164.	LED LAMP	USA	Granted	2013-12-06	29/475,764	2015-09-22	D739,569
165.	LED LAMP	USA	Granted	2013-12-06	29/475,763	2015-09-15	D739,052
166.	IMPROVED ACCESSORIES FOR LED LAMPS	Japan	Granted	2012-08-31	2014-070142	2015-08-21	5796100
167.	ACCESSORIES FOR LED LAMPS	USA	Granted	2013-08-29	14/014,112	2015-08-18	9,109,760
168.	CONTACTS FOR AN N-TYPE GALLIUM AND NITROGEN SUBSTRATE FOR OPTICAL DEVICES	USA	Granted	2015-02-23	14/629,049	2015-08-18	9,112,116
169.	LED LAMP WITH ACCESSORY	USA	Granted	2013-06-18	29/458,298	2015-08-18	D736,724
170.	LED LAMP	USA	Granted	2013-05-14	29/454,826	2015-08-18	D736,723
171.	LED LAMP	Japan	Granted	2014-06-05	2014-012193	2015-07-31	1532576
172.	LED LAMP	Japan	Granted	2014-06-05	2014-012191	2015-07-31	1532374
173.	LED LAMP	Japan	Granted	2014-06-05	2014-012190	2015-07-31	1532574
174.	LED LAMP	Japan	Granted	2014-06-05	2014-012192	2015-07-31	1532575
175.	GALLIUM AND NITROGEN CONTAINING TRILATERAL CONFIGURATION FOR OPTICAL DEVICES	USA	Granted	2014-02-14	14/181,386	2015-07-07	9,076,926
176.	LED LAMPS WITH IMPROVED QUALITY OF LIGHT	USA	Granted	2014-10-30	14/528,876	2015-06-02	9,046,227
177.	HEAT SINK	USA	Granted	2012-12-31	29/441,108	2015-05-26	D730,302
178.	HEATSINK	USA	Granted	2013-10-14	29/469,709	2015-05-05	D728,490
179.	METHODS AND DEVICES FOR LIGHT EXTRACTION FROM A GROUP III-NITRIDE VOLUMETRIC LED USING SURFACE AND SIDEWALL ROUGHENING	USA	Granted	2013-02-28	13/781,633	2015-04-07	9,000,466
180.	CONTACTS FOR AN N-TYPE GALLIUM AND NITROGEN SUBSTRATE FOR OPTICAL DEVICES	USA	Granted	2013-07-09	13/937,338	2015-03-31	8,994,033
181.	PROVIDING REMOTE BLUE PHOSPHORS IN AN LED LAMP	USA	Granted	2013-04-04	13/856,613	2015-03-24	8,985,794
182.	SEMICONDUCTOR CHIPS	Korea, Republic of (KR)	Granted	2013-06-28	30-2013-0033360	2015-02-26	30-0786376
183.	ARRAY OF TRIANGULAR SEMICONDUCTOR DIES	Korea, Republic of (KR)	Granted	2013-06-28	30-2013-0033361	2015-02-26	30-0786380
184.	LED LAMPS WITH IMPROVED QUALITY OF LIGHT	USA	Granted	2014-06-20	14/310,957	2015-01-13	8,933,644
185.	TRIANGULAR SEMICONDUCTOR DIE	USA	Granted	2012-12-12	29/439,581	2014-12-30	D720,310
186.	LED LAMP	China	Granted	2014-06-06	2014301700168	2014-12-24	ZL 2014301700168
187.	LED LAMP	China	Granted	2014-06-06	2014301702214	2014-12-24	ZL 2014301702214

	Title	Country	Status	Filed Date	App. Number	Grant Date	Patent No.
188.	LED LAMP	China	Granted	2014-06-06	2014301701620	2014-12-24	ZL 2014301701620
189.	LED LAMP	China	Granted	2014-06-06	2014301703448	2014-12-24	ZL 2014301703448
190.	METHOD FOR MANUFACTURE OF BRIGHT GAN LEDS USING A SELECTIVE REMOVAL PROCESS	USA	Granted	2011-11-23	13/304,182	2014-12-16	8,912,025
191.	METHOD AND SYSTEM FOR DICING SUBSTRATES CONTAINING GALLIUM AND NITROGEN MATERIAL WITH CONDUCTIVE CORE VIA STRUCTURES	USA	Granted	2012-06-07	13/491,483	2014-12-16	8,911,518
192.	SYSTEM AND METHOD FOR PROVIDING COLOR LIGHT SOURCES IN PROXIMITY TO PREDETERMINED WAVELENGTH CONVERSION STRUCTURES	USA	Granted	2014-04-18	14/256,670	2014-12-09	8,905,588
193.	HIGH TEMPERATURE LED SYSTEM USING AN AC POWER SOURCE	USA	Granted	2013-08-22	13/973,213	2014-11-25	8,896,235
194.	ACCESSORIES FOR LED LAMPS	USA	Granted	2013-06-04	13/909,752	2014-11-18	8,888,332
195.	TRIANGULAR SEMICONDUCTOR DIE	Korea, Republic of (KR)	Granted	2013-06-12	30-2013-0030432	2014-11-17	30-0772211
196.	ILLUMINATION SOURCES WITH THERMALLY-ISOLATED ELECTRONICS	USA	Granted	2011-10-17	13/274,489	2014-11-11	8,884,517
197.	LED LAMP	China	Granted	2013-11-14	201330545417.2	2014-10-22	ZL 201330545417.2
198.	ILLUMINATION SOURCE WITH DIRECT DIE PLACEMENT	USA	Granted	2013-08-05	13/959,422	2014-09-09	8,829,774
199.	CONTACTS FOR AN N-TYPE GALLIUM AND NITROGEN SUBSTRATE FOR OPTICAL DEVICES	USA	Granted	2012-12-21	13/723,968	2014-08-12	8,802,471
200.	HIGH INTENSITY LIGHT SOURCE	USA	Granted	2011-10-07	13/269,193	2014-08-12	8,803,452
201.	LED LAMPS	Germany (Federal Republic of)	Granted	2014-06-06	402014100488.9	2014-08-12	40 2014 100 488.9
202.	REFLECTION MODE PACKAGE FOR OPTICAL DEVICES USING GALLIUM AND NITROGEN CONTAINING MATERIALS	Japan	Granted	2011-02-03	2012-552083	2014-06-27	5567149
203.	SYSTEM AND METHOD FOR PROVIDING COLOR LIGHT SOURCES IN PROXIMITY TO PREDETERMINED WAVELENGTH CONVERSION STRUCTURES	USA	Granted	2011-12-16	13/328,978	2014-06-03	8,740,413

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204.	TRIANGULAR SEMICONDUCTOR DIE	Japan	Granted	2013-06-12	D2013-13276	2014-05-23	1500707
205.	IMPROVED ACCESSORIES FOR LED LAMPS	Japan	Granted	2012-08-31	2012-191931	2014-05-16	5540229
206.	POWER LIGHT EMITTING DIODE AND METHOD WITH CURRENT DENSITY OPERATION	USA	Granted	2013-06-28	13/931,359	2014-04-01	8,686,458
207.	GALLIUM AND NITROGEN CONTAINING TRILATERAL CONFIGURATION FOR OPTICAL DEVICES	USA	Granted	2011-10-25	13/281,221	2014-04-01	8,686,431
208.	SYSTEM AND METHOD FOR LED PACKAGING	USA	Granted	2012-05-29	13/482,956	2014-03-18	8,674,395
209.	POWER LIGHT EMITTING DIODE AND METHOD WITH CURRENT DENSITY OPERATION	Korea, Republic of (KR)	Granted	2010-09-20	10-2012-7009980	2014-02-24	10-1368906
210.	ILLUMINATION SOURCE WITH REDUCED INNER CORE SIZE	USA	Granted	2011-02-11	13/025,833	2014-02-04	8,643,257
211.	ILLUMINATION SOURCE AND MANUFACTURING METHODS	USA	Granted	2011-02-11	13/025,849	2013-12-31	8,618,742
212.	METHOD AND SYSTEM FOR DICING SUBSTRATES CONTAINING GALLIUM AND NITROGEN MATERIAL	USA	Granted	2011-11-17	13/298,617	2013-12-03	8,597,967
213.	HEATSINK	USA	Granted	2012-06-04	29/423,725	2013-12-03	D694,722
214.	OPTICAL DEVICES HAVING REFLECTION MODE WAVELENGTH MATERIAL	USA	Granted	2012-08-31	13/600,988	2013-11-05	8,575,642
215.	HEATSINK	China	Granted	2012-12-04	20123060065 8.8	2013-10-16	ZL 201230600 658.8
216.	HIGH TEMPERATURE LED SYSTEM USING AN AC POWER SOURCE	USA	Granted	2011-11-17	13/298,905	2013-09-24	8,541,951
217.	ILLUMINATION SOURCE WITH DIRECT DIE PLACEMENT	USA	Granted	2011-02-11	13/025,791	2013-09-03	8,525,396
218.	POWER LIGHT EMITTING DIODE AND METHOD WITH CURRENT DENSITY OPERATION	USA	Granted	2010-09-20	12/936,238	2013-08-06	8,502,465
219.	IMPROVED ACCESSORIES FOR LED LAMPS	China	Granted	2012-09-03	20122044637 8.0	2013-07-31	ZL 201220446 378.0
220.	ARRAY OF SEMICONDUCTOR DIES	China	Granted	2013-06-28	20133029231 1.6	2013-06-28	ZL2013302 923116
221.	TRIANGULAR SEMICONDUCTOR DIE II	Germany (Federal Republic of)	Granted	2013-06-27	40 2013 002 981.8	2013-06-27	40 2013 002 981 - 0001
222.	HEATSINK	Japan	Granted	2012-12-04	2012-29611	2013-06-21	D-01475075
223.	LIGHT SOURCE	China	Granted	2012-09-20	20122048433 4.7	2013-04-17	201220484 334.7

	Title	Country	Status	Filed Date	App. Number	Grant Date	Patent No.
224.	TECHNIQUES OF FORMING OHMIC CONTACTS ON GAN LIGHT EMITTING DIODES	USA	Granted	2012-03-13	13/419,325	2013-03-05	8,389,305
225.	LED LAMP SYSTEM	China	Granted	2012-05-08	20122020513 6.2	2012-12-26	201220205 136.2
226.	ILLUMINATION SOURCE	China	Granted	2012-02-13	20122004627 7.4	2012-12-26	201220046 277.4
227.	MODULAR LED LAMP AND MANUFACTURING METHODS	USA	Granted	2011-02-11	13/025,860	2012-12-04	8,324,835
228.	HEAT SINK	European Community	Granted	2012-12-03	002146449	2012-12-03	002146449 -0001
229.	HEAT SINK	European Community	Granted	2012-12-03	002146449	2012-12-03	002146449 -0002
230.	SINGULATION METHOD AND RESULTING DEVICE OF THICK GALLIUM AND NITROGEN CONTAINING SUBSTRATES	USA	Granted	2011-06-17	13/163,498	2012-11-20	8,313,964
231.	GALLIUM AND NITROGEN CONTAINING TRIANGULAR OR DIAMOND-SHAPED CONFIGURATION FOR OPTICAL DEVICES	USA	Granted	2011-06-17	13/163,482	2012-10-23	8,293,551
232.	OPTICAL DEVICE WITH WAVELENGTH SELECTIVE REFLECTOR	USA	Granted	2010-10-28	12/914,789	2012-09-18	8,269,245
233.	WHITE LIGHT APPARATUS AND METHOD	Germany (Federal Republic of)	Granted	2011-02-03	20201111002 4.7	2012-09-06	202011110 024.7
234.	HEATSINK FOR LED	Japan	Granted	2012-02-14	2012-002987	2012-08-24	1451629
235.	HEATSINK	China	Granted	2012-02-03	20123002194 53	2012-08-08	ZL2012300 219453
236.	HEATSINK	USA	Granted	2011-08-15	29/399,523	2012-07-03	D662,899
237.	HEATSINK FOR LED	USA	Granted	2011-08-15	29/399,524	2012-07-03	D662,900
238.	SYSTEM AND METHOD FOR LED PACKAGING	USA	Granted	2010-09-10	12/879,784	2012-06-26	8,207,554
239.	BACK-END PROCESSES FOR SUBSTRATES RE-USE	USA	Granted	2010-08-17	12/858,379	2012-04-10	8,153,475
240.	TECHNIQUES OF FORMING OHMIC CONTACTS ON GAN LIGHT EMITTING DIODES	USA	Granted	2011-07-15	13/184,160	2012-04-03	8,148,180
241.	HEATSINK FOR LED	European Community	Granted	2012-02-14	1314926	2012-02-14	001314926 -0001
242.	LUMINAIRE DESTINE A EMETTRE UN ECLAIRAGE DIRECTIONNEL ET NON DIRECTIONNEL LUMINAIRE FOR EMITTING DIRECTIONAL AND NON-DIRECTIONAL LIGHT	Canada	Pending	3/22/2017	CA2961624A	9/22/2018	CA296162 4A1
243.	LUMINAIRE EMETTANT DE LA LUMIERE DIRECTIONNELLE ET	Canada	Pending	11/9/2015	CA2966874A	5/12/2016	CA296687 4A1

	Title	Country	Status	Filed Date	App. Number	Grant Date	Patent No.
	NON DIRECTIONNELLE LUMINAIRE FOR EMITTING DIRECTIONAL AND NONDIRECTIONAL LIGHT						
244.	照明源 Illumination source	China	Issued	9/3/2012	CN20122044 6387U	4/17/2013	CN202884 539U
245.	Array of triangular semiconductor dice	USA	Issued	6/3/2013	29/456,725F	3/22/2016	USD75199 9S1
246.	Luminaire for emitting directional and non-directional light	USA	Issued	3/22/2017	15/466,697	4/30/2019	US102741 60B2
247.	Power light emitting diode and method with uniform current density operation	USA	Filed	2/3/2020	16/780,362		
248.	LED LAMPS WITH IMPROVED QUALITY OF LIGHT	USA	Filed	2/10/2020	16/786,277		

Expired PCT and provisional applications that are priority filings to the Patents in the chart above:

	Patent Application Title	Country	Filed Date	Application Number
1.	POWER LIGHT EMITTING DIODE AND METHOD WITH CURRENT DENSITY OPERATION	United States of America	2009-09-18	61/243,988
2.	POWER LIGHT EMITTING DIODE AND METHOD WITH CURRENT DENSITY OPERATION	Patent Cooperation Treaty	2010-09-20	PCT/US2010/04953 1
3.	BACK-END PROCESSES FOR SUBSTRATES RE-USE	United States of America	2009-08-18	61/234,767
4.	REFLECTION MODE LED PACKAGE WITH DIELECTRIC	United States of America	2009-11-02	61/257,298
5.	LED PACKAGE WITH LARGE THERMAL PAD	United States of America	2009-09-11	61/241,459
6.	REFLECTION MODE PACKAGE FOR OPTICAL DEVICES USING GALLIUM AND NITROGEN CONTAINING MATERIALS	United States of America	2010-02-03	61/301,183
7.	REFLECTION MODE PACKAGE FOR OPTICAL DEVICES USING GALLIUM AND NITROGEN CONTAINING MATERIALS	Patent Cooperation Treaty	2011-02-03	PCT/US2011/02360 4
8.	WHITE LIGHT APPARATUS AND METHOD	United States of America	2010-02-03	61/301,193
9.	WHITE LIGHT APPARATUS AND METHOD	Patent Cooperation Treaty	2011-02-03	PCT/US2011/02362 2
10.	GALLIUM AND NITROGEN CONTAINING TRIANGULAR OR DIAMOND-SHAPED CONFIGURATION FOR OPTICAL DEVICES	United States of America	2010-06-18	61/356,473
11.	GALLIUM AND NITROGEN CONTAINING TRIANGULAR OR DIAMOND-SHAPED CONFIGURATION FOR OPTICAL DEVICES	Patent Cooperation Treaty	2011-06-20	PCT/US2011/04110 6
12.	TWO-PHOSPHOR VIOLET-PUMPED WHITE LED FOR ILLUMINATION	United States of America	2010-08-19	61/375,097
13.	TWO-PHOSPHOR VIOLET-PUMPED WHITE LED FOR ILLUMINATION	United States of America	2011-06-28	61/502,212
14.	SYSTEM AND METHOD FOR SELECTED PUMP LEDS WITH MULTIPLE PHOSPHORS	Patent Cooperation Treaty	2011-08-19	PCT/US2011/04849 9
15.	METHOD TO ASSEMBLE AN LED LAMP	United States of America	2010-10-08	61/391,506

	Patent Application Title	Country	Filed Date	Application Number
16.	HIGH INTENSITY LIGHT SOURCE	Patent Cooperation Treaty	2011-10-07	PCT/US2011/055459
17.	LED SYSTEM WITH AC POWER SOURCE	United States of America	2010-11-17	61/414,821
18.	METHOD AND SYSTEM FOR DICING SUBSTRATES CONTAINING GALLIUM AND NITROGEN MATERIAL	United States of America	2010-11-17	61/414,817
19.	SYSTEM AND METHOD FOR PROVIDING LIGHT WITH PHOSPHOR CONVERSION	United States of America	2010-12-17	61/424,562
20.	METHOD AND SYSTEM FOR EPITAXY PROCESSES ON MISCUT BULK SUBSTRATES	United States of America	2011-04-01	61/470,901
21.	Method and System for Fabricating Optical Devices	United States of America	2011-08-23	61/526,355
22.	GALLIUM AND NITROGEN CONTAINING TRILATERAL CONFIGURATION FOR OPTICAL DEVICES	United States of America	2011-08-22	61/526,136
23.	FIELD REMOVABLE LENS FOR LED LAMP	United States of America	2011-09-02	61/530,832
24.	LED Lamp for Directional Lighting Fixtures	United States of America	2012-06-13	61/659,386
25.	LED LAMPS WITH IMPROVED QUALITY OF LIGHT	United States of America	2013-01-28	61/757,597
26.	LED LAMPS WITH IMPROVED QUALITY OF LIGHT	United States of America	2013-03-11	61/776,173
27.	PROVIDING REMOTE BLUE PHOSPHORS IN AN LED LAMP	United States of America	2012-04-17	61/625,592
28.	THERMALLY-EMISSIVE MECHANICAL ADAPTERS FOR LED LAMPS	United States of America	2012-03-02	61/606,178
29.	METHODS AND DEVICES FOR LIGHT EXTRACTION FROM A GROUP III-NITRIDE VOLUMETRIC LED USING SURFACE AND SIDEWALL ROUGHENING	United States of America	2012-02-29	61/605,026
30.	LIGHT EMITTING DIODES WITH LOW-INDEX MATERIAL LAYERS TO REDUCE LIGHT GUIDING EFFECTS	United States of America	2012-03-06	61/607,188
31.	LIGHT EMITTING DIODES WITH LOW REFRACTIVE INDEX MATERIAL LAYERS TO REDUCE LIGHT GUIDING EFFECTS	Patent Cooperation Treaty	2013-03-06	PCT/US2013/029453
32.	DOUBLE HETERO-STRUCTURE LED FOR GALLIUM AND NITROGEN CONTAINING DEVICES	United States of America	2013-03-14	61/783,888
33.	LED LAMPS WITH IMPROVED QUALITY OF LIGHT	United States of America	2012-05-04	61/642,984
34.	LED LAMPS WITH IMPROVED QUALITY OF LIGHT	Patent Cooperation Treaty	2015-06-22	PCT/US15/36957
35.	APPORTIONING OPTICAL PROJECTION PATHS IN AN LED LAMP	United States of America	2013-03-01	61/851,094
36.	ACCESSORIES FOR LED LAMPS	United States of America	2012-05-14	61/646,766
37.	ACCESSORIES FOR LED LAMPS	United States of America	2012-06-05	61/655,894
38.	HIGH-TEMPERATURE ULTRA-LOW RIPPLE MULTI-STAGE LED DRIVER CIRCUIT	United States of America	2012-11-09	61/724,639
39.	COMPACT LENS FOR HIGH INTENSITY LIGHT SOURCE	United States of America	2012-09-28	61/707,757
40.	FABRICATION OF DEFENSE-LUMINESCENT-MATERIALS-COATED VIOLET LEDS	United States of America	2012-12-21	61/740,937
41.	MULTI-PART HEAT EXCHANGER FOR LED LAMPS	United States of America	2013-03-08	61/851,513
42.	HIGH-PERFORMANCE LED FABRICATION	United States of America	2014-02-05	61/936,000

	Patent Application Title	Country	Filed Date	Application Number
43.	HIGH-PERFORMANCE LED FABRICATION	Patent Cooperation Treaty	2015-02-05	PCT/US2015/014680
44.	CONTROLLING OXYGEN CONCENTRATION LEVELS DURING PROCESSING OF HIGHLY-REFLECTIVE CONTACTS	United States of America	2014-05-07	61/989,693
45.	CIRCADIAN-FRIENDLY LED LIGHT SOURCE	United States of America	2013-08-29	61/871,525
46.	SMALL LED SOURCE WITH HIGH BRIGHTNESS AND HIGH EFFICIENCY	United States of America	2013-11-04	61/899,723
47.	COMPUTER-AIDED LED LAMP DESIGN METHOD AND MANUFACTURE OF SAME USING LAMP PROPERTIES AND CONSTRAINTS	United States of America	2013-12-05	61/912,348
48.	EMULATING CCT-CHANGE ALONG BLACKBODY CURVES DURING DIMMING USING TEMPERATURE-SENSITIVE WAVELENGTH-CONVERTING MATERIALS	United States of America	2014-10-28	62/069,528
49.	HIGH EFFICIENCY LED POWER CONVERTER	United States of America	2014-06-25	62/016,899
50.	MULTIDIRECTIONAL LUMINAIRES USING LIGHT GUIDES WITH A SINGLE POINT LIGHT SOURCE ENGINE	United States of America	2014-11-07	62/077,039
51.	LUMINAIRE FOR EMITTING DIRECTIONAL AND NONDIRECTIONAL LIGHT	Patent Cooperation Treaty	2015-11-09	PCT/US15/59770
52.	FILTERS FOR CIRCADIAN LIGHTING	United States of America	2014-08-05	62/033,487
53.	HIGH-QUALITY CONTACT STACKS FOR SEMICONDUCTOR DEVICES	United States of America	2014-12-18	62/093,855
54.	LED LAMP SOCKET DISPOSED WITHIN A HEATSINK CAVITY	United States of America	2015-02-18	62/117,826
55.	CIRCADIAN-FRIENDLY LED LIGHT SOURCES	United States of America	2015-01-14	62/103,472
56.	Circadian Displays	United States of America	2017-08-04	62/541,444
57.	CONTROLLING ENVIRONMENTAL CONDITIONS AFFECTING CIRCADIAN BIORHYTHMS USING REAL-TIME BIOMETRICS	United States of America	2015-04-21	62/150,669
58.	POWER SUPPLY FOR LIGHT EMITTING DIODE	United States of America	2015-07-13	62/191,831
59.	THERAPEUTIC TREATMENT OF EYE CONDITION USING ADJUSTABLE LIGHT	United States of America	2016-06-21	62/352,779
60.	INTELLIGENT MODULES FOR INTELLIGENT NETWORKS	United States of America	2016-06-22	62/353,275
61.	INTELLIGENT MODULES FOR INTELLIGENT NETWORKS	United States of America	2016-12-30	62/440,694
62.	INTELLIGENT MODULES FOR INTELLIGENT NETWORKS	Patent Cooperation Treaty	2017-06-22	PCT/US2017/038833
63.	LAMP POWER LINE COMMUNICATION	United States of America	2016-05-11	62/334,644
64.	SMART LIGHTING SYSTEM WITH ULTRA-LOW STANDBY CONSUMPTION	United States of America	2016-07-19	62/364,137
65.	LEADFRAME PACKAGE WITH COATING	United States of America	2016-06-21	62/352,864
66.	LIGHT EMITTING DIODE PACKAGE	Patent Cooperation Treaty	2017-06-21	PCT/US2017/038625
67.	BACTERICIDAL LIGHT SOURCE WITH HIGH QUALITY OF LIGHT	United States of America	2016-06-24	62/354,464
68.	III-NITRIDE LED WITH TUNNEL JUNCTION AND HYBRID MOCVD-SPUTTERING EPITAXY	United States of America	2016-08-10	62/372,935
69.	FLIP-CHIP PACKAGE	United States of America	2018-03-15	62/643,564
70.	HIGH EFFICIENCY GROUP-III NITRIDE LIGHT EMITTING DIODE	United States of America	2018-06-19	62/687,186

Patents and patent applications abandoned in the last two years:

<u>Country</u>	<u>Filing Date</u>	<u>Application Number</u>	<u>Grant Date</u>	<u>Patent / Reg. Number</u>
US	9/17/2010	12/884,848		
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This Schedule does not include all Patents owned by Seller that have been abandoned, cancelled or rejected or that are expired. Notwithstanding the foregoing, any Patents owned by Seller that are abandoned, cancelled, rejected or expired are still considered Assigned Intellectual Property, regardless of whether they are on this Schedule, and Seller assigns any rights in may have in such Patents in accordance with this Agreement.

SCHEDULE C

MARKS

	Mark Name	Country	Status	Application Number	Filed Date	Registration Number	Registration Date	Mark Image
1.	SORAA	Japan	Application	2019-009346	2019-01-16			SORAA
2.	SORAA HEALTHY	United States of America	Allowed	87458721	2017-05-22			Soraa HEALTHY
3.	SORAA SKY	United States of America	Allowed	87458688	2017-05-22			Soraa SKY
4.	SORAA ZERO BLUE	United States of America	Allowed	87678494	2017-11-09			SORAA ZERO BLUE
5.	SORAA NATURAL WHITE	United States of America	Allowed	87686442	2017-11-15			SORAA NATURAL WHITE
6.	SORAA VIVID COLOR	United States of America	Allowed	87686455	2017-11-15			SORAA VIVID COLOR
7.	SORAA	China	Application	1435626	2018-10-12			SORAA
8.	SORAA	China	Application	37431872	2019-04-09			SORAA
9.	SORAA	Mexico	Application	1435626	2018-10-12			SORAA
10.	SORAA SNAP SYSTEM	United States of America	Registered	85895887	2013-04-04	4581161	2014-08-05	SORAA SNAP SYSTEM
11.	SORAA	United States of America	Registered	86/058,247	2013-09-06	4867520	2015-12-08	SORAA
12.	SORAA	United States of America	Registered	77/982,688	2009-10-05	4150651	2012-05-29	SORAA
13.	SORAA VIVID	United States of America	Registered	87/335,474	2017-02-14	5271293	2017-08-22	
14.	SIMPLY PERFECT LIGHT	United States of America	Registered	85870246	2013-03-07	4431751	2013-11-12	SIMPLY PERFECT LIGHT
15.	SORAA BRILLIANT	United States of America	Registered	87/335,702	2017-02-14	5410477	2018-02-27	
16.	SORAA	International	Registered	1435626	2018-10-12	1435626	2018-10-12	SORAA

	Mark Name	Country	Status	Application Number	Filed Date	Registration Number	Registration Date	Mark Image
17.	SORAA	Germany (Federal Republic of)	Registered	1435626	2018-10-12	1435626	2018-10-12	
18.	SORAA	China	Registered	9364715	2011-04-20	9364715	2012-06-21	
19.	SORAA	China	Registered	9364714	2011-04-20	9364714	2014-08-14	
20.	SORAA	China	Registered	9364713	2011-04-20	9364713	2012-08-07	
21.	SORAA	China	Pending	10944301	2012-05-21			
22.	SORAA	European Union	Registered	9829409	2011-03-22	9829409	2011-12-07	
23.	SORAA	South Korea	Registered	45-2011-0002096	2011-05-18	4500465230000	2013-10-11	
24.	SORAA	Japan	Registered	2011-033532	2011-05-17	5534338	2012-11-09	
25.	SORAA	Taiwan	Registered	100027849	2011-06-03	1494092	2011-12-16	
26.	AERIAL	United States of America	Application	88456543	2019-06-03			
27.	SORAA ARC	United States of America	Allowed	87419105	2017-04-20			
28.	SORAA SKY +	United States of America	Allowed	88117988	2018-09-14			
29.	SORAA FLICKER FREE	United States of America	Allowed	87686317	2017-11-15			
30.	SORAA BLUEFREE LED	United States of America	Allowed	87707395	2017-12-04			
31.	SMART SNAP	United States of America	Allowed	87732465	2017-12-22			
32.	LIGHT THAT LOVES YOU	United States of America	Allowed	87959826	2018-06-13			
33.	SORAA AERIAL	United States of America	Allowed	88261277	2019-01-14			

	Mark Name	Country	Status	Application Number	Filed Date	Registration Number	Registration Date	Mark Image
34.	SIMPLY PERFECT	United States of America	Registered	85495244	2011-12-14	4637522	2014-11-11	
35.	SORAA	United States of America	Registered	85/594,716	2012-04-11	4385048	2013-08-13	
36.	SORAA GAN ON GAN	United States of America	Registered	85/593,900	2012-04-10	4336144	2013-05-14	
37.	BARREL	United States of America	Registered	87/000,737	2016-04-14	5,623,141	2018-12-04	
38.	GABLE	United States of America	Registered	87/000,728	2016-04-14	5,633,318	2018-12-18	
39.	SORAA RADIANT	United States of America	Registered	87458711	2017-05-22	5656660	2019-01-15	
40.	SORAA OUTSIDE IN	United States of America	Published	87960548	2018-06-13			

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