

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM360094

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
INEMATIX CORPORATION		10/22/2015	CORPORATION: CALIFORNIA
iNEMATIX HONG KONG CO. LIMITED		10/22/2015	COMPANY: HONG KONG
RECEIVING PARTY DATA			
Name:	EAST WEST BANK		
Street Address:	2350 MISSION COLLEGE BLVD., SUITE 988		
City:	SANTA CLARA		
State/Country:	CALIFORNIA		
Postal Code:	95054		
Entity Type:	CORPORATION: CALIFORNIA		
PROPERTY NUMBERS Total: 11			
Property Type	Number	Word Mark	
Registration Number:	4637501	SILARMOR	
Registration Number:	4256903	GAL	
Registration Number:	4154875	CHROMALIT	
Registration Number:	4013826	LIT BY INEMATIX	
Registration Number:	4013727	C-MAT SYNTHESIS	
Registration Number:	3100819	LEDUX	
Registration Number:	3756134	INEMATIX	
Registration Number:	3511043	INEMATIX	
Registration Number:	3599463	ILED	
Registration Number:	3990338	INEMATIX	
Registration Number:	3861199	SMART PHOSPHOR	
CORRESPONDENCE DATA			
Fax Number:	6506440520		
<i>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.</i>			
Phone:	6506483802		
Email:	PATTY@PATTYCHENG.COM		
Correspondent Name:	PATTY CHENG		

OP \$290.00 4637501

Address Line 1: 2625 Middlefield Rd., #215
Address Line 4: Palo Alto, CALIFORNIA 94306

ATTORNEY DOCKET NUMBER: 9-1004

NAME OF SUBMITTER: PATTY CHENG

SIGNATURE: /s/ Patty Cheng

DATE SIGNED: 10/27/2015

Total Attachments: 25

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT is entered into as of October 22, 2015 by and between INTEMATIX CORPORATION, a California corporation ("Parent"), INTEMATIX HONG KONG CO. LIMITED ("HK Sub") and EAST WEST BANK, a California corporation ("Bank"). Parent and HK Sub are each also referred to as a "Grantor", and collectively, as the "Grantors").

RECITALS

Bank has agreed to make certain advances of money and to extend certain financial accommodations to Grantors in the amounts and manner set forth in that certain Amended and Restated Loan and Security Agreement by and between Bank and Grantors (as amended from time to time, the "Loan Agreement") dated of even date herewith. Capitalized terms used herein have the meaning assigned in the Loan Agreement. Bank is willing to make the financial accommodations to Grantors, but only upon the condition, among others, that Grantors grant to Bank a security interest in all of each Grantor's right title, and interest in, to and under all of the Collateral whether presently existing or hereafter acquired.

NOW, THEREFORE, each Grantor agrees as follows:

AGREEMENT

To secure performance of each Grantor's obligations under the Loan Agreement, each Grantor grants to Bank a security interest in all of such Grantor's right, title and interest in such Grantor's intellectual property (including without limitation those Copyrights, Patents and Trademarks listed on Exhibits A, B and C hereto), including without limitation all proceeds thereof (such as, by way of example but not by way of limitation, license royalties and proceeds of infringement suits). This security interest is granted in conjunction with the security interest granted to Bank under the Loan Agreement. Each right, power and remedy of Bank provided for herein or in the Loan Agreement shall not preclude the simultaneous or later exercise by Bank of any or all other rights, powers or remedies.

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 the same instrument. In the event that any signature to this Agreement is delivered by facsimile transmission or by e-mail delivery of a ".pdf" format data file, such signature shall create a valid and binding obligation of the party executing (or on whose behalf such signature is executed) with the same force and effect as if such facsimile or ".pdf" signature page were an original thereof.

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IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed as of the first date written above.

Address of Grantor:

Intematix Corporation
46430 Fremont Blvd.
Fremont, CA 94538
Attn: Michael Lund, VP Finance

INTEMATIX CORPORATION

By:  _____

Print Name: Jerry Turner

Title: Chief Financial Officer

INTEMATIX HONG KONG CO. LIMITED

By:  _____

Print Name: Jerry Turner

Title: Chief Financial Officer

Address of Bank:

East West Bank
Technology & Commercial Banking Group
2350 Mission College Blvd., Suite 988
Santa Clara, CA 95054
Attn: Linda Lee

EAST WEST BANK

By: _____

Print Name: _____

Title: _____

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed as of the first date written above.

Address of Grantor:

Intematix Corporation
46430 Fremont Blvd.
Fremont, CA 94538
Attn: Michael Lund, VP Finance

INTEMATIX CORPORATION

By: _____
Print Name: _____
Title: _____

INTEMATIX HONG KONG CO. LIMITED

By: _____
Print Name: _____
Title: _____

Address of Bank:

East West Bank
Technology & Commercial Banking Group
2350 Mission College Blvd., Suite 988
Santa Clara, CA 95054
Attn: Linda Lee

EAST WEST BANK

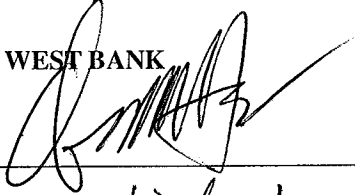
By:  _____
Print Name: Linda Lee
Title: First Vice President

EXHIBIT A

Copyrights

Please Check Box if No Copyrights Exist

Title	Registration Number	Registration Date
Lit By Intematix	VAu001041347	2010-09-20

EXHIBIT B

Patents

Please Check Box if No Patents Exist

Title	Application Number	Serial/ Patent Number	Application / Issue Date	Country
Combinatorial Synthesis of Material Chips	09/566,866	6,911,129		USA
Printing Liquid Solution Arrays for Inorganic Combinatorial Libraries	11/231,309			USA
Novel Phosphor Systems for a White Light Emitting Diode (LED)	10/912,741	7,267,787		USA
Phosphor Systems For A White Light Emitting Diode (LED)	11/900,307	7,887,719	4-Aug-04	USA
Silicate-Based Yellow-Green Phosphors	10/948,764	7,311,858	4-Aug-04	USA
Silicate-Based Yellow-Green Phosphors	11/963,994	8,017,035	4-Aug-04	USA
Silicate-Based Green Phosphors	11/269,953	7,575,697	4-Aug-04	USA
Two-Phase Silicate-Based Yellow Phosphor	11/417,690	7,601,276	4-Aug-04	USA
Two-Phase Silicate-Based Yellow Phosphor	12/574,544	7,922,937	4-Aug-04	USA
Silicate-Based Green Phosphors in Red-Green-Blue (RGB) Backlighting and White Illumination Systems	12/542,164	7,906,041	4-Aug-04	USA
Aluminate-Based Blue Phosphors	11/173,342	7,390,437	4-Aug-04	USA
Combinatorial Material Analysis Using X-Ray Capillary Optics	09/824,268	6,577,705		USA
Display Device with Aluminate-Based Green Phosphors	11/036,914	7,541,728		USA
Aluminate-Based Green Phosphors	11/804,011 (cip)	7,755,276	14-Jan-05	USA
Compositions Comprising High LightOutput Yellow Phosphors and Their Methods of Preparation	11/061,979	7,399,428	18-Feb-04	USA
Silicate-Based Orange Phosphors	11/258,679	7,655,156	3-Aug-05	USA
Phosphor Composition with Self Adjusting Chromaticity	11/805,808	7,820,075	10-Aug-06	USA
Phosphor Composition with Self-Adjusting Chromaticity	12/910,644		10-Aug-06	USA
Aluminum-Silicate Based Orange-Red Phosphors With Mixed Divalent and Trivalent Cations	11/786,044	7,648,650	10-Nov-06	USA
Compositions Comprising A Mixture of A BAM Phosphor and At Least One Other Hexaaluminate	11/827,352	7,736,536	11-Jul-06	USA
Liquid Solution Deposition of Composition Gradient Materials	11/893,597		16-Aug-06	USA
NANO-YAG:CE Phosphor Compositions and Their Methods of Preparation	11/975,356	8,133,461	20-Oct-06	USA
NANO-YAG:CE Phosphor Compositions and Their Methods of Preparation	13/417,645	8,414,796	20-Oct-06	USA
Green-Emitting, Garnet-Based Phosphors in General and Backlighting Applications	14/703,726		20-Oct-06	USA
Green-Emitting, Garnet-Based Phosphors in General and Backlighting Applications	13/181,226	8,529,791	20-Oct-06	USA

Title	Application Number	Serial/ Patent Number	Application / Issue Date	Country
Green-Emitting, Garnet-Based Phosphors in General and Backlighting Applications	14/023,062	9,023,242	20-Oct-06	USA
Yellow-Green to Yellow-Emitting Phosphors Based on Halogenated-Aluminates	13/415,623	8,475,683	8-Mar-11	USA
Yellow-Green to Yellow-Emitting Phosphors Based on Halogenated-Aluminates	13/931,214	8,877,094	8-Mar-11	USA
Yellow-Green to Yellow-Emitting Phosphors Based on Halogenated-Aluminates	14/532,744		8-Mar-11	USA
Yellow-Green to Yellow-Emitting Phosphors Based on Terbium-Containing Aluminates	14/837,459		8-Mar-12	USA
Yellow-Green to Yellow-Emitting Phosphors Based on Terbium-Containing Aluminates	14/513,133	9,120,975	8-Mar-12	USA
White Light Illumination System with Narrow Band Green Phosphor and Multiple-Wavelength Excitation	14/064,084	8,740,400	7-Mar-08	USA
White Light Illumination System with Narrow Band Green Phosphor and Multiple-Wavelength Excitation	14/290,800		7-Mar-08	USA
Nitride-Based Red Phosphors	12/250,400		19-May-08	USA
Nitride-Based, Red-Emitting Phosphors	12/632,550	8,274,215	15-Dec-08	USA
Nitride-Based Red-Emitting Phosphors in RGB (Red-Green-Blue) Lighting Systems	13/626,684	8,951,440	15-Dec-08	USA
Nitride-Based Red-Emitting Phosphors in RGB (Red-Green-Blue) Lighting Systems	14/618,207		15-Dec-08	USA
Europium-Activated Beta-SiAlON Based Green Phosphors	13/210,667	8,852,455	17-Aug-10	USA
Europium-Activated, Beta-SiAlON Based Green Phosphors	14/508,660		17-Aug-10	USA
Green to Yellow Light-Emitting Aluminate Phosphors	13/679,911		16-Nov-11	USA
Millisecond Decay Phosphors for AC LED Lighting Applications	13/418,229	9,085,732	11-Mar-11	USA
Long Decay Phosphors for Lighting Applications	13/749,494	9,089,037	25-Jan-12	USA
Long Decay Phosphors for Lighting Applications	14/804,236		25-Jan-12	USA
Millisecond Decay Phosphors for AC LED Lighting Applications	14/804,233		11-Mar-11	USA
Green-Emitting (Oxy) Nitride-Based Phosphors & Light-Emitting Device Using The Same	13/633,861	8,679,367	9-Aug-12	USA
Green-Emitting (Oxy)Nitride- Based Phosphors & Light-Emitting Device Using The Same	14/222,029		9-Aug-12	USA
Red-Emitting Nitride-Based Phosphors	13/871,961	8,663,502	18-Jul-12	USA
Red-Emitting Nitride-Based Phosphors	14/196,556		18-Jul-12	USA
Highly Reliable Photoluminescent Materials Having a Thick and Uniform Titanium Dioxide Coating	13/273,166			USA
Coatings for Photoluminescent Materials	13/671,501	9,006,966	8-Nov-11	USA

Title	Application Number	Serial/ Patent Number	Application / Issue Date	Country
Coatings for Photoluminescent Materials	14/682,831		8-Nov-11	USA
Nitride Phosphors with Interstitial Cations for Charge Balance	13/732,222	8,951,441	30-Dec-11	USA
Nitride Phosphors with Interstitial Cations for Charge Balance	14/618,219		30-Dec-11	USA
Red-Emitting Nitride-Based Calcium-Stabilized Phosphors	13/922,231	8,597,545	18-Jul-12	USA
Red-Emitting Nitride-Based Calcium-Stabilized Phosphors	14/095,766		18-Jul-12	USA
UV/NEAR UV EXCITED NITRIDE-BASED NARROW BAND BLUE PHOSPHOR	61/953,579			USA
Phosphor Converted White Light Emitting Devices	62/216,985			USA
Linear LED Lighting Arrangement Including Light Emitting Phosphor	13/931,669		3-Aug-06	USA
Linear LED Lighting Arrangement Including Light Emitting Phosphor	14/157,501		3-Aug-06	USA
Solid-State Linear Lighting Arrangements Including Light Emitting Phosphor	14/607,032		28-Jun-12	USA
Led Lighting Arrangement Including Light Emitting Phosphor	12/624,839	8,067,884	3-Aug-06	USA
LED Lighting Arrangement Including Light Emitting Phosphor	13/436,507		3-Aug-06	USA
LED Lighting Arrangement Including Light Emitting Phosphor	13/441,714	9,045,688	3-Aug-06	USA
LED Lighting Arrangement Including Light Emitting Phosphor	14/727,814		3-Aug-06	USA
Light Emitting Diode (LED) Based Lighting Systems	11/714,464	7,972,030		USA
Light Emitting Diode (LED) Based Lighting Systems	13/085,173	8,376,580	5-Mar-07	USA
Light Emitting Diode (LED) Based Lighting Systems	13/769,175		5-Mar-07	USA
Light Emitting Sign and Display Surface Therefor	11/714,711	7,937,865	8-Mar-06	USA
Light Emitting Sign and Display Surface Therefor	13/087,549	8,539,702	8-Mar-06	USA
Light Emitting Sign and Display Surface Therefor	13/102,833	8,302,336	8-Mar-06	USA
Light Emitting Sign and Display Surface Therefor	13/102,898	8,631,598	8-Mar-06	USA
Light emitting device utilizing remote wavelength conversion with improved color characteristics	13/273,208	8,998,433	8-Mar-06 15-Apr-11	USA
Light emitting device utilizing remote wavelength conversion with improved color characteristics	14/679,918		8-Mar-06	USA
Color Temperature Tunable White Light Source	11/787,107	8,203,260		USA
Color Temperature Tunable White Light Source	13/102,448	8,773,337	13-Apr-07	USA

Title	Application Number	Serial/ Patent Number	Application / Issue Date	Country
Color Temperature Tunable White Light Source	14/304,865		13-Apr-07	USA
Phosphor-Based Solar Wavelength-Converters	13/804,477		31-Mar-06	USA
Color Tunable Light Source	11/800,976	7,703,943		USA
Photoluminescence color display comprising quantum dots material and a wavelength selective filter that allows passage of excitation radiation and prevents passage of light generated by photoluminescence materials	13/403,854	8,947,619	6-Jul-06	USA
Photoluminescence Color Display	62/137,195			USA
Light Emitting Diode Lighting System	12/726,194	8,628,255	12-Feb-07	USA
Light Emitting Diode Lighting System	12/726,201	8,538,217	12-Feb-07	USA
Light Emitting Diode Lighting System	14/820,508		12-Feb-07	USA
Light Emitting Device with Phosphor Wavelength Conversion	11/975,130	7,915,627	17-Oct-07	USA
Light Emitting Device with Phosphor Wavelength Conversion	13/073,395	8,188,502	17-Oct-07	USA
Light Emitting Device with Phosphor Wavelength Conversion	13/481,565	8,686,449	17-Oct-07	USA
Light Emitting Display	12/269,320	7,845,839	13-Nov-07	USA
Color Tunable Light Emitting Device	11/906,532	8,783,887		USA
Color Tunable Light Emitting Device	14/327,428		1-Oct-07	USA
Light Emitting Device with Phosphor Wavelength Conversion	12/639,688	8,390,193	8-Sep-08	USA
LED Based Lamp and Light Emitting Device	12/815,644	8,651,692	18-Jun-09	USA
High CRI White Light Emitting Device and Drive Circuitry	12/945,641	8,779,685	19-Nov-09	USA
LED-Based Light Emitting Systems and Devices	13/164,535		24-Jun-10	USA
Solid State Light Emitting Devices with Photoluminescence Wavelength Conversion	12/892,754	8,354,784		USA
Solid-State Light Emitting Devices and Signage with Photoluminescence Wavelength Conversion	13/253,031	8,610,340	5-Oct-10	USA
Solid-State Light Emitting Devices With Photoluminescence Wavelength Conversion	14/141,275	8,957,585	5-Oct-10	USA
Solid-State Light Emitting Devices and Signage with Photoluminescence Wavelength Conversion	14/108,163		5-Oct-10	USA
Solid-State Light Emitting Devices With Photoluminescence Wavelength Conversion	14/624,493		5-Oct-10	USA
LED-Based Lamps	13/156,197	8,807,799	11-Jun-10	USA
LED-Based Light Emitting Systems and Devices with Color Compensation	13/204,464	8,946,998	9-Aug-10	USA
Solid-State Light Emitting Devices and Signage with Photoluminescence Wavelength Conversion and Photoluminescent Compositions Therefor	13/308,066		2-Dec-10	USA
Photoluminescence Color Wheels	13/367,325		7-Feb-11	USA

Title	Application Number	Serial/ Patent Number	Application / Issue Date	Country
Wavelength Conversion component with a diffusing layer	13/273,212	8,604,678	5-Oct-10	USA
Wavelength Conversion component with scattering particles	13/273,215	8,614,539	5-Oct-10	USA
Improvements relating to wavelength conversion component	13/273,217	8,610,341	5-Oct-10	USA
Diffuser Component having scattering particles	14/213,096		5-Oct-10	USA
Light Emitting Devices with Remote Phosphor Wavelength Conversion Component and LED-Based Light Sources Therefor	13/444,716	9,004,705	13-Apr-11	USA
Light Emitting Devices with Remote Phosphor Wavelength Conversion Component and LED-Based Light Sources Therefor	14/670,335		13-Apr-11	USA
Optical Component for an LED Lamp	29/388,935	D650118		USA
Optical Component for an LED Lamp	29/388,936	D650119		USA
Optical Component for an LED Lamp	29/388,939	D650120		USA
Wavelength Conversion Component with improved Protective Characteristics for remote wavelength conversion	13/273,196	9,115,868		USA
Wavelength conversion component with improved thermal conductive characteristics for remote wavelength conversion	13/273,198			USA
Method and apparatus for implementing tunable light emitting device with remote wavelength conversion	13/273,199			USA
Wavelength conversion component having photo-luminescence material embedded into a hermetic material for remote wavelength conversion	13/273,200			USA
Solid-state lamps with improved radial emission and thermal performance	13/451,470	8,616,714	6-Oct-11	USA
Solid-state lamps with improved radial emission and thermal performance	14,144,472		6-Oct-11	USA
Method and System of manufacturing photo-luminescent wavelength conversion component	13/273,201	8,507,047		USA
Solid-state light sources with improved emission efficiency and photoluminescence wavelength conversion components therefor	13/769,210		17-Feb-12	USA
Color Consistency Tuning	13/871,383		26-Apr-12	USA
Solid-state lamps with improved radial emission and thermal performance	13/646,578		6-Oct-11	USA
Solid-State Large Area Displays and Lighting	13/941,236	8,994,056	13-Jul-12	USA
Solid-State Large Area Displays and Lighting	14/673,522		13-Jul-12	USA
LED Lamp	29/428,748	D713565		USA
Solid State Lamps with Improved Emission and Thermal Performance	13/646,591	8,992,051	6-Oct-11	USA
Solid State Lamps with Improved Emission and Thermal Performance	14/673,800		6-Oct-11	USA
Photoluminescent Daylight Panel	14/064,052	9,103,529	25-Oct-12	USA
Photoluminescent Daylight Panel	14/822,728		25-Oct-12	USA

Title	Application Number	Serial/ Patent Number	Application / Issue Date	Country
Solid-State Light Emitting Lamps Utilizing Photoluminescence Wavelength Conversion Components	14/136,972		28-Dec-12	USA
LED Light Bulb	29/443,392	D727542		USA
Solid-State Lamps with Omnidirectional Emission Patterns	14/161,968		28-Jan-13	USA
Wide Emission Angle LED Package with Remote Phosphor Component	14/173,759		5-Feb-13	USA
Photoluminescence Wavelength Conversion Component	14/213,005		15-Mar-13	USA
Low Profile LED-Based Lighting Arrangements	14/495,837		24-Sep-13	USA
Compact Solid-State Camera Flash	14/633,048		27-Feb-14	USA
Optical Component for an LED Lamp	29/479,526	D710535		USA
Optical Component for an LED Lamp	29/479,717	D710535		USA
Solid-State Linear Lighting Arrangements Including Light Emitting Phosphor	14/641,237		7-Mar-14	USA
Materials for photoluminescence wavelength converted solid-state light emitting devices and arrangements	14/469,523			USA
Color Temperature Tunable and Dimmable Solid-State Linear Lighting Arrangements	62/089,204			USA
Remote Photoluminescence Color Conversion Components	62/156,129			USA
Methods and Apparatus for Coating LED Chips with Photoluminescent Materials	62/169,446			USA
LED Signal Lamp	11/906,146	7,883,226	5-Mar-07	USA
LED Assembly with an LED and Adjacent Lens and Method of Making Same	11/800,977	7,737,636	9-Nov-06	USA
Phosphor Based Authentication System	12/604,268	8,822,954	23-Oct-08	USA
Phosphors for Enhancing Sensor Responsivity in Short Wavelength Regions of the Visible Spectrum	11/881,247		26-Jul-06	USA
Semiconductor Color Image Sensor Responsive at Shorter Wavelengths	11/893,129	7,830,434	16-Aug-06	USA
Camera Based X-ray Digital Image Detector	11/999,729	7,557,356	6-Dec-08	USA
Multiple-Chip Excitation Systems for White Light Emitting Diodes (LEDS)	12/398,059	8,567,973	7-Mar-08	USA
Multiple-Chip Excitation Systems for White Light Emitting Diodes (LEDS)	14/045,765		7-Mar-08 4-Mar-09	USA
Light Emitting Device (LED) Lighting Device	12/206,347	8,143,769		USA
Light Emitting Device (LED) Lighting Device	13/372,438		8-Sep-08	USA
LED Based Lamp	12/721,311	8,541,931	17-Mar-09	USA
LED Spotlight	13/156,183	8,888,318	11-Jun-10	USA
LED Light Bulb	29/408,148	D688390		USA
LED Light Bulb	29/420,386	D677407		USA
LED Light Bulb	29/420,388	D677408		USA
LED Lamp	29/426,784	D688820		USA
Low Platinum Fuel Cell Catalysts and Method for Preparing the Same	11/303,476	8,211,593	2-Mar-04	USA
Low Platinum Fuel Cell Catalysts and Method for Preparing the Same	13/483,783		2-Mar-04	USA

Title	Application Number	Serial/ Patent Number	Application / Issue Date	Country
Doped CAWO4 Tungstate Scintillator With Improved Radiation Hardness	10/928,755	7,279,120	3-Sep-03	USA
Doped CAWO4 Tungstate Scintillator with Improved Radiation Hardness	11/973,867	7,655,157	3-Sep-03	USA
Ferroelectric Rare-earth Manganese-Titanium Oxides	10/934,773	7,250,648		USA
Production of Nano-Powder based Combinatorial Libraries	11/251,562	7,754,656		USA
Solar Modules with Tracking and Concentrating Features	11/698,748	7,569,764		USA
Spatially Resolved Spin Resonance Detection	10/071,563	6,693,426		USA
Novel Magnetic Resonance Imaging Contrast System	10/124,203	6,924,150		USA
Spatially Resolved Spin Resonance Detection	10/759,745	6,946,835		USA
Detection with Evanescent Wave Probe	10/833,186	7,148,683		USA
Detection with Evanescent Wave Probe	11/542,830	7,268,546		USA
Detection with Evanescent Wave Probe	11/542,891	7,276,902		USA
Detection with Evanescent Wave Probe	11/542,775	7,282,911		USA
Electrochemical Probe For Screening Multiple-Cell Arrays	10/857,604	7,432,006		USA
Scanning Evanescent Electro-Magnetic Microscope	09/158,037	6,173,604	20-Sep-96	USA
Scanning Evanescent Electro-Magnetic Microscope	09/695,508	6,532,806		USA
Analytical Scanning Evanescent Microwave Probe and Control Stage	09/608,311	7,550,963		USA
Analytical Scanning Evanescent Microwave Microscope And Control Stage	12/465,022	8,358,141		USA
Low Loss Dielectric Materials For Microwave Applications	09/974,430	6,641,940		USA
Magnetically Controlled Optical Switch and Optical Attenuator	09/684,283	6,463,186		USA
Evanescent Microwave Probe With Enhanced Resolution And Sensitivity	11/180,045	7,271,574	12-Jul-04	USA
Integrated EWP-STM Spin Resonance Microscope	11/216,931	7,109,706	31-Aug-04	USA
Coherent Spin Valve and Related Devices	11/241,292	7,450,327	30-Sep-04	USA
Coherent Spin Valve and Related Devices	12/236,327	8,049,996	30-Sep-04	USA
High Throughput Screening of Catalysts Using Spin Resonance	11/299,034	7,704,923	8-Dec-04	USA
Remotely RF Powered Conformable Thermal Applicators	11/601,083	7,945,335	17-Nov-05	USA
Light Emitting Diodes with Phosphor Wavelength Conversion and Methods of Producing the Same	12/239,357	8,883,528	1-Oct-07	USA
Light Emitting Device with Phosphor Wavelength Conversion	12/355,555	8,337,029	17-Jan-08	USA
Manufacture of Light Emitting Devices with Phosphor Wavelength Conversion	12/782,819	8,597,963	19-May-09	USA
Manufacture of Light Emitting Devices with Phosphor Wavelength Conversion	12/782,847	8,227,269	19-May-09	USA

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Manufacture of Light Emitting Devices with Phosphor Wavelength Conversion	12/782,857	8,227,276	19-May-09	USA
Solid Electrolyte Fuel Cell	12/127,372	8,450,026	24-May-07	USA
Process for Synthesizing $\text{Li}_x\text{FeM}_z\text{O}_4$ / Carbon and $\text{Li}_x\text{M}_z\text{O}_4$ / Carbon Composite Materials	12/686,142	8,022,009	16-Jan-09	USA
Method of Solid-Liquid Mixing Gel Process for LiFePO_4 Synthesis	12/832,743		10-Jul-09	USA
Methanol Oxidation Catalyst	11/863,798	7,723,260	21-Sep-07	USA
Methanol Oxidation Catalyst	11/863,856	7,846,862	21-Sep-07	USA
Methanol Oxidation Catalyst	12/401,255	8,211,825	26-Mar-08	USA
Flip-chip packaged SMD-type LED with antistatic function and having no wire bonding	10/982,767	7,098,543	8/29/2006	USA
Timer Display Device Having Light Generating Module with Circular Arrangement	11/236,506	7,307,920	12/11/2007	USA
Time Display Apparatus	11/236,503	7,388,813	6/17/2008	USA
Fabrication Structure for Light Emitting Diode Component	12/073,579			USA
Method and a System for Controlling LED with Power Line Carrier	12/347,383	7,961,090	6/14/2011	USA
Solid State Light Emitting Device	12/832,377			USA
Light Emitting Diode Device	12/899,831			USA
Light Emitting Diode and Manufacturing Method Thereof	12/860,543			USA
Light Emitting Devices	12/768,679			USA
Package Structure of Light Emitting Diode	12/889,942			USA
Method for Fabricating Self Assembling Light Emitting Diode Lens	13/166,953			USA
Light Emitting Device Structure and Manufacturing Method Thereof	13/012,919			USA
Light Emitting Devices	13/011,484			USA
Light-Emitting Diode Package Structure	13/017,285	8,450,759	5/28/2013	USA
Light Emitting Diode Packaging Structure and Method for Fabricating the Same	13/088,513			USA
Light-Emitting Apparatus				USA
Light-Emitting Diode Module And Method For Operating The Same	13/281,409			USA
Lighting Device with Multi Cavities				USA
Light Emitting Device	12/127,749			USA
	61/180,065			USA
Light Emitting Device	12/781,194			USA
Solid State Light Emitting Device	12/832,377			USA
Light Emitting Diode Based Backlighting for Color Liquid Crystal Displays	60/853,399			USA
Light Emitting Diode Based Backlighting for Color Liquid Crystal Displays	11/974,927			USA
Blacklighting Systems for LCD Displays Using Phosphors in Combination with Blue LEDs				USA

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Light Emitting Diodes with Phosphor Wavelength Conversion and Methods of Producing the Same	60/997,293			USA
Light Emitting Diodes with Phosphor Wavelength Conversion and Methods of Producing the Same	12/239,357			USA
Light Emitting Devices with Phosphor Wavelength Conversion and Methods of Fabrication Thereof	11/906,545			USA
Light Emitting Device with Phosphor Wavelength Conversion	61/021,675			USA
Light Emitting Device with Phosphor Wavelength Conversion	12/355,555			USA
Manufacture of Light Emitting Devices with Phosphor Wavelength Conversion	61/179,661			USA
Manufacture of Light Emitting Devices with Phosphor Wavelength Conversion	12/782,819			USA
Manufacture of Light Emitting Devices with Phosphor Wavelength Conversion	61/179,668			USA
Manufacture of Light Emitting Devices with Phosphor Wavelength Conversion	12/782,847			USA
Manufacture of Light Emitting Devices with Phosphor Wavelength Conversion	61/179,671			USA
Manufacture of Light Emitting Devices with Phosphor Wavelength Conversion	12/782,857			USA
Light Emitting Devices with Phosphor Wavelength Conversion and Methods of Manufacture Thereof	61/146,379			USA
Light Emitting Devices with Phosphor Wavelength Conversion and Methods of Manufacture Thereof	12/689,449			USA
LED-Based Light Emitting Devices	61/367,784			USA
LED-Based Light Emitting Devices	13/188,187			USA
Low-Cost LED-Based Light Emitting Devices with Phosphor Wavelength Conversion and Their Method of Manufacture	61/424,589			USA
Low-Cost LED-Based Light Emitting Devices with Phosphor Wavelength Conversion and Their Method of Manufacture	13/324,309			USA
Silicate-Based Orange Phosphors	12171109.7	EP2497813B	3-Aug-05	United Kingdom
Multiple-Chip Excitation Systems for White Light Emitting Diodes (LEDs)	09718586.2	EP2269207	7-Mar-08	United Kingdom
Printing Liquid Solution Arrays for Inorganic Combinatorial Libraries	95134595	I391543		Taiwan
Silicate-Based Yellow-Green Phosphors	94126286	I374926	4-Aug-04	Taiwan
Silicate-Based Green Phosphors	95141165	I367250		Taiwan
Two-phase Silicate-Based Yellow Phosphor	95138585	I383034	10/25/2005 11/8/2005 5/3/2006	Taiwan
Aluminate-Based Blue phosphors	95124031	I377242	1-Jul-05	Taiwan
Aluminate-Based Green Phosphors	95101648	I374178	14-Jan-05	Taiwan
Silicate-Based Orange Phosphors	94138149	I367249	3-Aug-05	Taiwan

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Phosphor Composition with Self Adjusting Chromaticity	096122899	I454175	10-Aug-06	Taiwan
Phosphor Composition with Self Adjusting Chromaticity	101144207	I454176	10-Aug-06	Taiwan
Alumina-Silicate Based Orange-Red Phosphors	96141491	I364449	10-Nov-06	Taiwan
Nano YAG:Ce Phosphor Compositions and Their Methods of Preparation	96139315	I375325	20-Oct-06	Taiwan
Green-Emitting, Garnet-Based Phosphors in General and Backlighting Applications	100124992	I450944	14-Jul-10	Taiwan
Green-Emitting, Garnet-Based Phosphors in General and Backlighting Applications	103124847		14-Jul-10	Taiwan
Yellow-Green to Yellow-emitting phosphors based on halogenated-aluminates	101107953	I448536	8-Mar-11	Taiwan
Yellow-Green to Yellow-emitting phosphors based on halogenated-aluminates	103121490		8-Mar-11	Taiwan
Yellow-Green To Yellow-Emitting Phosphors Based On Terbium-Containing Aluminates	102147621		28-Dec-12	Taiwan
Nitride-Based Red Phosphors	098116595		19-May-08	Taiwan
Nitride-Based Red-Emitting Phosphors in RGB (Red-Green-Blue) Lighting Systems	098142917	I466983	15-Dec-08	Taiwan
Nitride-Based Red-Emitting Phosphors in RGB (Red-Green-Blue) Lighting Systems	103134806		15-Dec-08	Taiwan
Europium-Activated, Beta-SiAlON Based Green Phosphors	100129459		17-Aug-10	Taiwan
Millisecond Decay Phosphors for AC LED Lighting Applications	101108346		11-Mar-11	Taiwan
Long Decay Phosphors for Lighting Applications	102102708		25-Jan-12	Taiwan
Red-Emitting Nitride-Based Phosphors	102125824		18-Jul-13	Taiwan
Highly Reliable Photoluminescent Materials Having a Thick Uniform Titanium Dioxide Coating	101136769		13-Oct-11	Taiwan
Coatings for Photoluminescent materials	101141980		8-Nov-11	Taiwan
Red-Emitting Nitride-Based Calcium Stabilized Phosphors	102125825	I450945	18-Jul-12	Taiwan
Red-Emitting Nitride-Based Calcium Stabilized Phosphors	103125604		18-Jul-12	Taiwan
Linear LED Lighting Arrangement Including Light Emitting Phosphor	102123352		28-Jun-12	Taiwan
LED Lighting Arrangement Including Light Emitting Phosphor	96128666	I392112	3-Aug-06	Taiwan
LED Signal Lamp	97115137	I461100	5-Mar-07	Taiwan
Color Temperature Tunable White Light Source	97113372	I441551	13-Apr-07	Taiwan
Color Tunable Light Source	97116676	I360629	7-May-07	Taiwan
Photo-Luminescence Color Liquid Crystal Display	96124790	I377404	6-Jul-06	Taiwan
Photoluminescence Color Display	102106082		23-Feb-12	Taiwan
Light Emitting Diode Lighting System	96130925	I382135	12-Feb-07	Taiwan

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Light Emitting Device with Phosphor Wavelength Conversion	101119190	I453946		Taiwan
High CRI White Light Emitting Device and Drive Circuitry	099140116		19-Nov-09	Taiwan
LED-Based Light Emitting Systems and Devices	100122341		24-Jun-10	Taiwan
Solid-State Light Emitting Devices and Signage with Photoluminescence Wavelength Conversion	100136131		5-Oct-10	Taiwan
Solid-State Light Emitting Devices and Signage with Photoluminescence Wavelength Conversion			5-Oct-10	Taiwan
LED-Based Lamps	100120423		11-Jun-10	Taiwan
Solid-State Light Emitting Devices and Signage with Photoluminescence Wavelength Conversion and Photoluminescent Compositions Therefor	100144472		2-Dec-10	Taiwan
Photoluminescence Wavelength Conversion Components For Solid-State Light Emitting Devices & Lamps	101137617		13-Oct-11	Taiwan
Wavelength Conversion Component with improved Protective Characteristics for remote wavelength conversion	101137079		13-Oct-11	Taiwan
wavelength conversion component with improved thermal conductive characteristics for remote wavelength conversion	101136319		13-Oct-11	Taiwan
Method and apparatus for implementing tunable light emitting device with remote wavelength conversion	101137258		13-Oct-11	Taiwan
Wavelength conversion component having photo-luminescence material embedded into a hermetic material for remote wavelength conversion	101136318		13-Oct-11	Taiwan
Solid-state lamps with improved radial emission and thermal performance	101137210		6-Oct-11	Taiwan
Solid state light emitting devices with multiple remote wavelength conversion components	101136770		13-Oct-11	Taiwan
Solid-state lamps with improved radial emission and thermal performance	101137205		6-Oct-11	Taiwan
Solid State Lamps with Improved Emission and Thermal Performance	101137206		6-Oct-11	Taiwan
Solid-State Light Emitting Lamps Utilizing Photoluminescence Wavelength Conversion Components	102148527		28-Dec-12	Taiwan
Photoluminescence Wavelength Conversion Components	103109207		15-Mar-13	Taiwan
Materials for photoluminescence wavelength converted solid-state light emitting devices and arrangements	104116322			Taiwan
Light Emitting Diode Assembly and Method of Fabrication	96117601	I381522	9-Nov-06	Taiwan
LED Light Bulb	101303274	D152780	7-Dec-11	Taiwan

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Light-Emitting Diode Package Structure	93206913	M257511		Taiwan
Flip-chip packaged SMD-type LED with antistatic function and having no wire bonding	93210210	M273822		Taiwan
Detection and Process System of Luminous Efficiency Droop and Method Thereof	93124546	I236311		Taiwan
Timer Display Device Having Light Generating Module with Circular Arrangement	094207983	M275438		Taiwan
Time Display Apparatus	94207984	M275439		Taiwan
Time Display Apparatus	094207985	M275440	9/11/2005	Taiwan
Manufacturing Structure	94208090	M276324	9/21/2005	Taiwan
Portable Computer Apparatus	95209519			Taiwan
Method and a System for Controlling LED with Power Line Carrier	97151919			Taiwan
Alternate Current Light Emitting Diode Module and Light Source Apparatus Using the Same and Manufacturing Method Thereof	98110808			Taiwan
Solid State Light Emitting Device original: light-emitting diode package structure	098209505		2/11/2010	Taiwan
Light Emitting Diode Apparatus	098223625		9/1/2010	Taiwan
Light Emitting Diode and Manufacturing Method Thereof	098143250			Taiwan
Light Emitting Devices	099122317			Taiwan
Package Structure of Light Emitting Diode	099116913			Taiwan
Light Module for Light-Emitting Diode and Method for Manufacturing the Same	99123684			Taiwan
Method for Fabricating Self Assembling Light Emitting Diode Lens	100126196			Taiwan
Light Emitting Device Structure and Manufacturing Method Thereof	99131899			Taiwan
Light Emitting Devices	99134981			Taiwan
Light-Emitting Diode Package Structure	99135824			Taiwan
Light Emitting Diode Packaging Structure and Method for Fabricating the Same	99147331			Taiwan
Light-Emitting Apparatus	100108494			Taiwan
Light-Emitting Apparatus	100204467			Taiwan
Light-Emitting Diode Module And Method For Operating The Same	100123108			Taiwan
Lighting Device with Multi Cavities	100131258			Taiwan
Replaceable Light-Emitting Diode Package Structure	093101290	I241720		Taiwan
Light-Emitting Diode Package Structure	093206914	M257512		Taiwan
Light Emitting Device	098117112			Taiwan
Light Emitting Device	099116190			Taiwan
Light Emitting Diode Based Backlighting for Color Liquid Crystal Displays	96139330			Taiwan
Light Emitting Devices with Phosphor Wavelength Conversion and Methods of Fabrication Thereof	97137790			Taiwan

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Light Emitting Devices with Phosphor Wavelength Conversion and Methods of Manufacture Thereof	099101828			Taiwan
LED-Based Light Emitting Devices	100126448			Taiwan
Low-Cost LED-Based Light Emitting Devices with Phosphor Wavelength Conversion and Their Method of Manufacture				Taiwan
Photoluminescence Wavelength Conversion Component	PCT/US2014/25314		15-Mar-13	PCT
Solid-State Linear Lighting Arrangements Including Light Emitting Phosphor	PCT/US2015/019235		7-Mar-14	PCT
Materials for photoluminescence wavelength converted solid-state light emitting devices and arrangements	PCT/US2015/031809		21-May-14	PCT
Light Emitting Device	PCT/US2009/043713			PCT
Light Emitting Device	PCT/US2010/035307			PCT
Light Emitting Diode Based Backlighting for Color Liquid Crystal Displays	PCT/US2007/022016			PCT
Light Emitting Devices with Phosphor Wavelength Conversion and Methods of Fabrication Thereof	PCT/US2008/077982			PCT
Light Emitting Devices with Phosphor Wavelength Conversion and Methods of Manufacture Thereof	PCT/US2010/021487			PCT
LED-Based Light Emitting Devices	PCT/US2011/045238			PCT
Low-Cost LED-Based Light Emitting Devices with Phosphor Wavelength Conversion and Their Method of Manufacture				PCT
Light Emitting Devices with Phosphor Wavelength Conversion and Methods of Fabrication Thereof	PI2010001403			Malaysia
Novel Phosphor Systems for a White Light Emitting Diode (LED)	10-2007-7002866	10-0950497	4-Aug-04	Korea
White Led and Composition Comprising Novel Silicate-Based Yellow-Green Phosphors	10-2005-0084612	10-0639532	4-Aug-04	Korea
Silicate-Based Yellow-Green Phosphors	10-2005-0030108	10-0538104	4-Aug-04	Korea
Silicate-Based Yellow-Green Phosphors	10-2005-0084614	10-0632144	4-Aug-04	Korea
Silicate-Based Green Phosphors	10-2006-0022753	10-0811054	8-Nov-05	Korea
Aluminate-Based Blue phosphors	10-2008-7000082	10-0951065	1-Jul-05	Korea
Composition Comprising New Silicated Based Green Phosphors	10-2006-0056366	10-0701030		Korea
Aluminate-Based Green Phosphors	10-2007-7018195	10-0951066	14-Jan-05	Korea
Silicate-Based Orange Phosphors	10-2005-0096299	10-0927154	3-Aug-05	Korea
Phosphor Composition with Self Adjusting Chromaticity	10-2009-7004825	10-1415956	10-Aug-06	Korea
Aluminum-Silicate Based Orange-Red Phosphors with Mixed Divalent and Trivalent Cations	10-2009-7011884	10-1475497	10-Nov-06	Korea
Nano YAG:Ce Phosphor Compositions and Their Methods of Preparation	10-2009-7010286		20-Oct-06	Korea

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Green-Emitting, Garnet-Based Phosphors in General and Backlighting Applications	10-2013-7001221		14-Jul-10	Korea
Green-Emitting, Garnet-Based Phosphors in General and Backlighting Applications	10-2014-7018287		14-Jul-10	Korea
Green-Emitting, Garnet-Based Phosphors in General and Backlighting Applications	10-2015-7007672		14-Jul-10	Korea
Yellow-Green to Yellow-emitting phosphors based on halogenated-aluminates	10-2013-7023485	10-1472989	8-Mar-11	Korea
Yellow-Green to Yellow-emitting phosphors based on terbium-containing aluminates	10-2015-7018508		28-Dec-12	Korea
Nitride-Based Red Phosphors	10-2010-7028538		19-May-08	Korea
Nitride-Based Red-Emitting Phosphors in RGB (Red-Green-Blue) Lighting Systems	10-2011-7016428	10-1495330	15-Dec-08	Korea
Red-Emitting Nitride-Based Phosphors	10-2015-7004239		18-Jul-13	Korea
Highly Reliable Photoluminescent Materials Having a Thick Uniform Titanium Dioxide Coating	10-2014-7010934		13-Oct-11	Korea
Coatings for Photoluminescent materials	10-2014-7015417		8-Nov-11	Korea
Nitride Phosphors with Interstitial Cations for Charge Balance	10-2014-7019221		30-Dec-11	Korea
Red-Emitting Nitride-Based Calcium Stabilized Phosphors	10-2013-7035007	10-1424236	18-Jul-12	Korea
Linear LED Lighting Arrangement Including Light Emitting Phosphor	10-2015-7000981		28-Jun-12	Korea
Photoluminescence Color Display	10-2014-7025885		23-Feb-12	Korea
Color Tunable Light Emitting Device	10-2010-7009589		1-Oct-07	Korea
Solid State Light Emitting Devices with Photoluminescence Wavelength Conversion	10-2013-7007970		28-Sep-10	Korea
Solid-State Light Emitting Devices and Signage with Photoluminescence Wavelength Conversion	10-2013-7010301		5-Oct-10	Korea
Solid-State Light Emitting Devices and Signage with Photoluminescence Wavelength Conversion and Photoluminescent Compositions Therefor	10-2013-7017110		2-Dec-10	Korea
Solid-State Lamps with Light Guide and Photoluminescent Material	10-2013-7017109		2-Dec-10	Korea
Photoluminescence Wavelength Conversion Components For Solid-State Light Emitting Devices & Lamps	10-2014-7010935		13-Oct-11	Korea
Light Emitting Devices with Remote Phosphor Wavelength Conversion Component and LED-Based Light Sources Therefor	10-2013-7029010		13-Apr-11	Korea
Solid-state lamps with improved radial emission and thermal performance	10-2014-7012175		6-Oct-11	Korea
Phosphor Based Authentication System	10-2011-7011202		23-Oct-08	Korea
Multiple-Chip Excitation Systems for White Light Emitting Diodes (LEDS)	10-2010-7022484		7-Mar-08	Korea
Light Emitting Device (LED) Lighting Device	10-2011-7007851		8-Sep-08	Korea
LED Spotlight	10-2012-7034184		11-Jun-10	Korea
LED Light Bulb	30-2012-0027899	30-0708303	7-Dec-11	Korea

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Low Platinum Fuel Cell Catalysts and Method for Preparing the Same	10-2006-7020287	TW1240144		Korea
Timer Display Device Having Light Generating Module with Circular Arrangement	20-2006-0012107		8/1/2006	Korea
Time Display Apparatus	20-2006-0012369		7/31/2006	Korea
Time Display Apparatus	20-2006-0012228		7/31/2006	Korea
Manufacturing Structure	20-2006-0012106		8/21/2006	Korea
Solid State Light Emitting Device original: light-emitting diode package structure	20-2009-0016794			Korea
Light Emitting Diode and Manufacturing Method Thereof	10-2010-0098906			Korea
Light Emitting Devices	10-2010-0072965			Korea
Package Structure of Light Emitting Diode	10-2010-0096574			Korea
Light Emitting Devices	10-2011-0003239			Korea
Light-Emitting Diode Package Structure				Korea
Light Emitting Diode Packaging Structure and Method for Fabricating the Same				Korea
Light-Emitting Apparatus				Korea
Light-Emitting Diode Module And Method For Operating The Same				Korea
Light Emitting Device	10-2010-7029301			Korea
Light Emitting Device	10-2011-7030439			Korea
Light Emitting Diode Based Backlighting for Color Liquid Crystal Displays	10-2009-7009601			Korea
Light Emitting Devices with Phosphor Wavelength Conversion and Methods of Fabrication Thereof	10-2010-7009587			Korea
Silicate-Based Yellow-Green Phosphors	2014-023897			Japan
Silicate-Based Yellow-Green Phosphors	2007-511734	4625496		Japan
Two-Phase Silicate-Based Yellow Phosphor	2006-289542	5270082	3-May-06	Japan
Aluminate-Based Green Phosphors	2007-551485	4889656	14-Jan-05	Japan
Silicate-Based Orange Phosphors	2006-289541	5118837	3-Aug-05	Japan
Aluminum-Silicate Based Orange-Red Phosphors with Mixed Divalent and Trivalent Cations	2009-536379	5503288	10-Nov-06	Japan
Green-Emitting, Garnet-Based Phosphors in General and Backlighting Applications	2015-106213		14-Jul-10	Japan
Yellow-Green to Yellow-emitting phosphors based on halogenated-aluminates	2013-557877	5655166	8-Mar-11	Japan
Yellow-Green to Yellow-emitting phosphors based on halogenated-aluminates	2014-207049		8-Mar-11	Japan
Yellow-Green to Yellow-emitting phosphors based on terbium-containing aluminates			28-Dec-12	Japan
Nitride-Based Red Phosphors	2008-279668		19-May-08	Japan
Nitride-based Red-Emitting Phosphors in RGB (Red-Green-Blue) Lighting Systems	2015-040587		15-Dec-08	Japan
Red-Emitting Nitride-Based Phosphors	2015-523223		18-Jul-13	Japan
Highly Reliable Photoluminescent Materials Having a Thick Uniform Titanium Dioxide Coating	2014-535802		13-Oct-11	Japan

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Coatings for Photoluminescent materials	2014-540231		8-Nov-11	Japan
Nitride Phosphors with Interstitial Cations for Charge Balance	2014-550545		30-Dec-11	Japan
Red-Emitting Nitride-Based Calcium Stabilized Phosphors	2014-527372	5735179	18-Jul-12	Japan
Red-Emitting Nitride-Based Calcium Stabilized Phosphors	2015-083348		18-Jul-12	Japan
Linear LED Lighting Arrangement Including Light Emitting Phosphor	2015-520539		28-Jun-12	Japan
Photoluminescence Color Display	2014-558770		23-Feb-12	Japan
Color Tunable Light Emitting Device	2010-528045	5348567	1-Oct-07	Japan
Solid-State Light Emitting Devices and Signage with Photoluminescence Wavelength Conversion	2013-532890		5-Oct-10	Japan
Solid-State Light Emitting Devices With Photoluminescence Wavelength Conversion	2014-257760		26-Dec-13	Japan
Solid-State Light Emitting Devices and Signage with Photoluminescence Wavelength Conversion and Photoluminescent Compositions Therefor	2013-542206		2-Dec-10	Japan
Photoluminescence Wavelength Conversion Components For Solid-State Light Emitting Devices & Lamps	2014-535907		13-Oct-11	Japan
Methods and Apparatus for Implementing Color Consistency in Remote Wavelength Conversion	2015-509191		26-Apr-12	Japan
Light Emitting Diode Based Backlighting for Color Liquid Crystal Displays	2009-533336	5171833	19-Oct-06	Japan
Phosphor Based Authentication System	2011-533379	5529878	23-Oct-08	Japan
Light Emitting Device (LED) Lighting Device	2011-526122	5518074	8-Sep-08	Japan
Methanol Oxidation Catalyst	2007-244854	JP5032250		Japan
Methanol Oxidation Catalyst	2007-244855	JP5032251		Japan
Methanol Oxidation Catalyst	2008-081629			Japan
Flip-chip packaged SMD-type LED with antistatic function and having no wire bonding	2004-005245			Japan
Timer Display Device Having Light Generating Module with Circular Arrangement	2006-003534		6/28/2006	Japan
Time Display Apparatus	2006-003532		6/28/2006	Japan
Time Display Apparatus	2006-003531	3123607	6/28/2006	Japan
Manufacturing Structure	2006-003533	3124373	7/26/2006	Japan
Alternate Current Light Emitting Diode Module and Light Source Apparatus Using the Same and Manufacturing Method Thereof	2009-112862			Japan
Solid State Light Emitting Device	2009-299148			Japan
Light Emitting Diode and Manufacturing Method Thereof	2010-109460			Japan
Light Emitting Devices	2010-159101			Japan
Package Structure of Light Emitting Diode	2010-217301			Japan
Light Emitting Devices	2011-003229			Japan

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Light Emitting Diode Packaging Structure and Method for Fabricating the Same	2011-97551			Japan
Light-Emitting Apparatus				Japan
Light-Emitting Diode Module And Method For Operating The Same				Japan
Light Emitting Device	2011-511698			Japan
Light Emitting Device	2012-511970			Japan
Light Emitting Diode Based Backlighting for Color Liquid Crystal Displays	2009-533336			Japan
Light Emitting Devices with Phosphor Wavelength Conversion and Methods of Fabrication Thereof	2010-528046			Japan
Novel Phosphor Systems for a White Light Emitting Diode (LED)	7111904.5	1103474B	4-Aug-04	Hong Kong
Light Emitting Sign and Display Surface Therefor	9108399.1	1129495	8-Mar-06	Hong Kong
Light Emitting Diode Based Backlighting for Color Liquid Crystal Displays	10102492.7			Hong Kong
Aluminate-Based Green Phosphors	06718983.7	6.02E+11	14-Jan-05	Germany
Silicate-Based Orange Phosphors	12171109.7	EP2497813B	3-Aug-05	Germany
Aluminum-Silicate Based Orange-Red Phosphors with Mixed Divalent and Trivalent Cations	07854415.2	6.02E+11	10-Nov-06	Germany
Multiple-Chip Excitation Systems for White Light Emitting Diodes (LEDS)	09718586.2	EP2269207B	7-Mar-08	Germany
Silicate-Based Yellow-Green Phosphors	04816996.5		4-Aug-04	Europe
Silicate-Based Green Phosphors	06827581.7		8-Nov-05	Europe
Green-Emitting, Garnet-Based Phosphors in General and Backlighting Applications	11807467.3		14-Jul-10	Europe
Yellow-Green to Yellow-emitting phosphors based on halogenated-aluminates	12755590.2		8-Mar-11	Europe
Yellow-Green to Yellow-emitting phosphors based on terbium-containing aluminates	12890913.2		28-Dec-12	Europe
Nitride-Based Red Phosphors	09751221.4		19-May-08	Europe
Nitride-based Red-Emitting Phosphors in RGB (Red-Green-Blue) Lighting Systems	09835511.8		15-Dec-08	Europe
Highly Reliable Photoluminescent Materials Having a Thick Uniform Titanium Dioxide Coating	12840292.2		13-Oct-11	Europe
Coatings for Photoluminescent materials	12847641.3		8-Nov-11	Europe
Nitride Phosphors with Interstitial Cations for Charge Balance	12862922.7		30-Dec-11	Europe
Red-Emitting Nitride-Based Calcium Stabilized Phosphors	13802521.8		18-Jul-12	Europe
Light Emitting Diode (LED) Based Lighting Systems	08726426.3		5-Mar-07	Europe
Photoluminescence Color Display	15181649.3		23-Feb-12	Europe
Photoluminescence Wavelength Conversion Components For Solid-State Light Emitting Devices & Lamps	12839621.5		13-Oct-11	Europe
Color Consistency Tuning	13781431.5		26-Apr-12	Europe

Title	Application Number	Serial/ Patent Number	Application / Issue Date	Country
Solid-State Light Emitting Lamps Utilizing Photoluminescence Wavelength Conversion Components	13868577.1		28-Dec-12	Europe
Light Emitting Device (LED) Lighting Device	09812083.5	2331873A	8-Sep-08	Europe
LED Light Bulb	001329742	001329742-0001	7-Dec-11	Europe
Fabrication Structure for Light Emitting Diode Component	8160109.8			Europe
Solid State Light Emitting Device	10151638.3			Europe
Light Emitting Diode and Manufacturing Method Thereof	10186965.9			Europe
Light Emitting Devices	10172281.7			Europe
Package Structure of Light Emitting Diode	10181 747.6			Europe
Light Emitting Devices	11151367.7			Europe
Light-Emitting Diode Package Structure	11154855.8			Europe
Light Emitting Diode Packaging Structure and Method for Fabricating the Same	11171724.5			Europe
Light-Emitting Apparatus				Europe
Light-Emitting Diode Module And Method For Operating The Same				Europe
Lighting Device with Multi Cavities				Europe
Light Emitting Device	09755619.5			Europe
Light Emitting Diode Based Backlighting for Color Liquid Crystal Displays	07852769.4			Europe
Light Emitting Devices with Phosphor Wavelength Conversion and Methods of Fabrication Thereof	08835119.2			Europe
Printing Liquid Solution Arrays for Inorganic Combinatorial Libraries	200680042121.6	ZL200680042121.6		China
Novel Phosphor Systems for a White Light Emitting Diode (LED)	200480043968.7	ZL200480043968.7	4-Aug-04	China
Silicate-Based Yellow-Green Phosphors	200480043986.5	ZL200480043986.5	4-Aug-04	China
Printing Liquid Solution Arrays for Inorganic Combinatorial Libraries	200680042121.6	ZL200680042121.6		China
Silicate-Based Green Phosphors	200680047561.0	ZL200680047561.0	8-Nov-05	China
Two-Phase Silicate-Based Yellow Phosphor	200680054827.4	ZL200680054827.4	3-May-06	China
Aluminate-based Blue phosphors	200680030352.5	ZL200680030352.5	1-Jul-05	China
Aluminate-Based Green Phosphors	201310254793.5		14-Jan-05	China
Silicate-Based Orange Phosphors	200580051260.0		3-Aug-05	China
Aluminum-Silicate Based Orange-Red Phosphors with Mixed Divalent and Trivalent Cations	200780045192.6	ZL200780045192.6	10-Nov-06	China
Nano YAG:Ce Phosphor Compositions and Their Methods of Preparation	200780042000.6	ZL200780042000.6	20-Oct-06	China
Nano YAG:Ce Phosphor Compositions and Their Methods of Preparation	201110021144.1	ZL201110021144.1	14-Jul-10	China
Green-Emitting, Garnet-Based Phosphors in General and Backlighting Applications	201180039442.1		14-Jul-10	China
Yellow-Green to Yellow-emitting phosphors based on halogenated-aluminates	201280012480.2		8-Mar-11	China
Yellow-Green to Yellow-emitting phosphors based on terbium-containing aluminates			28-Dec-12	China
Nitride-Based Red Phosphors	200980123553.3		19-May-08	China

Title	Application Number	Serial/ Patent Number	Application / Issue Date	Country
Nitride-based Red-Emitting Phosphors in RGB (Red-Green-Blue) Lighting Systems	200980154718.3		15-Dec-08	China
Red-Emitting Nitride-Based Phosphors	201380044345.0		18-Jul-13	China
Highly Reliable Photoluminescent Materials Having a Thick Uniform Titanium Dioxide Coating	201280059761.3		13-Oct-11	China
Coatings for Photoluminescent materials	201280060823.2		8-Nov-11	China
Nitride Phosphors with Interstitial Cations for Charge Balance	201280069088.1		30-Dec-11	China
Red-Emitting Nitride-Based Calcium Stabilized Phosphors	201380002279.0		18-Jul-12	China
Red-Emitting Nitride-Based Calcium Stabilized Phosphors			18-Jul-12	China
Linear LED Lighting Arrangement Including Light Emitting Phosphor	201380032879.1		28-Jun-12	China
Light Emitting Diode (LED) Based Lighting Systems	200880007180.9	ZL200880007180.9	5-Mar-07	China
Light Emitting Diode (LED) Based Lighting Systems	201310463759.9		5-Mar-07	China
Light Emitting Sign and Display Surface Therefor	200780012858.8	ZL200780012858.8	8-Mar-06	China
Color Temperature Tunable White Light Source	100880011971.9	ZL200880011971.9	13-Apr-07	China
Color Tunable Light Source	200880019209.5	ZL200880019209.5	7-May-07	China
Photoluminescence Color Display	201380010907.X		23-Feb-12	China
Color Tunable Light Emitting Device	200880114331.0	ZL200880114331.0	1-Oct-07	China
Solid-State Light Emitting Devices and Signage with Photoluminescence Wavelength Conversion	201180048303.5.		5-Oct-10	China
Solid-State Light Emitting Devices With Photoluminescence Wavelength Conversion	201410834944.9.		26-Dec-13	China
Solid-State Light Emitting Devices and Signage with Photoluminescence Wavelength Conversion and Photoluminescent Compositions Therefor	201180063987.6		2-Dec-10	China
Photoluminescence Wavelength Conversion Components For Solid-State Light Emitting Devices & Lamps	201280057372.7		13-Oct-11	China
Methods and Apparatus for Implementing Color Consistency in Remote Wavelength Conversion	104247058A		26-Apr-12	China
Solid-State Light Emitting Lamps Utilizing Photoluminescence Wavelength Conversion Components			28-Dec-12	China
Light Emitting Diode Assembly and Method of Fabrication	200780049456.5	ZL200780049456.5	9-Nov-06	China
LED Light Bulb	201230251955.6	ZL201230251955.6	7-Dec-11	China
Methanol Oxidation Catalyst	200810160946.9	ZL200810160946.9	21-Sep-07	China
Methanol Oxidation Catalyst	200810160950.5	ZL200810160950.5	21-Sep-07	China
Flip-chip packaged SMD-type LED with antistatic function and having no wire bonding	200420077515.3	CN2718788Y	8/17/2005	China

Title	Application Number	Serial/ Patent Number	Application / Issue Date	Country
Timer Display Device Having Light Generating Module with Circular Arrangement	200520018646.9	CN 2886628Y	4/4/2007	China
Time Display Apparatus	200520018649.2	CN2840120Y	11/22/2006	China
Time Display Apparatus	200520018647.3	CN 2840118 Y	11/22/2006	China
Fabrication Structure for Light Emitting Diode Component	200520018648.8	CN2840329Y	11/22/2006	China
Portable Computer Apparatus	200620118574.X	CN200986677Y		China
Solid State Light Emitting Device	200910140354.5			China
Light Emitting Diode and Manufacturing Method Thereof	2.0101E+11			China
Light Emitting Devices	201010257692.X			China
Package Structure of Light Emitting Diode	201010197226.7			China
Method for Fabricating Self Assembling Light Emitting Diode Lens	201110217541.6			China
Light Emitting Device Structure and Manufacturing Method Thereof	201110000163.6			China
Light Emitting Devices	201010528629.5			China
Light-Emitting Diode Package Structure	201010532037			China
Light Emitting Diode Packaging Structure and Method for Fabricating the Same	201110024879.X			China
Light-Emitting Apparatus	201110071666.2			China
Light-Emitting Diode Module And Method For Operating The Same	201110198213.6			China
Lighting Device with Multi Cavities				China
Light Emitting Device	200980119197.8			China
Light Emitting Device	201080027461.8			China
Light Emitting Diode Based Backlighting for Color Liquid Crystal Displays	200780038635.9			China
Light Emitting Devices with Phosphor Wavelength Conversion and Methods of Fabrication Thereof	200880109579.8			China
Silicate-Based Yellow-Green Phosphors	2575841	2575841	4-Aug-04	Canada

EXHIBIT C

Trademarks

Please Check Box if No Trademarks Exist

<u>Description</u>	<u>Serial / Registration Number</u>	<u>Application /Registration Date</u>
SILARMOR	4637501	November 11, 2014
GAL	4256903	December 11, 2012
CHROMALIT	4154875	June 5, 2012
LIT BY INTEMATIX	4013826	August 16, 2011
C-MAT SYNTHESIS	4013727	August 16, 2011
LEDUX	3100819	June 6, 2006
INTEMATIX	3756134	March 2, 2010
INTEMATIX	3511043	October 7, 2008
ILED	3599463	March 31, 2009
INTEMATIX	3990338	July 5, 2011
SMART PHOSPHOR	3861199	October 12, 2010