

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	OSRAM GMBH	02/07/2017
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PROPERTY NUMBERS Total: 1		
	Property Type	Number
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Total Attachments: 6		
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ASSIGNMENT

WHEREAS, **OSRAM GmbH**, with offices at Marcel-Breuer-Straße 6, 80807 Munich Germany, (Assignor) owns all right title and interest in and to the Patents mentioned in the annex hereto attached

AND, WHEREAS, **LEDVANCE GmbH**, a German Corporation, with offices Parkring 29 – 33, 85748 Garching, Germany (Assignee) is desirous of acquiring the entire right, title and interest in and to said improvements in and to said patents, all patent rights therefore, and the right to sue for past infringement;

Now, therefore, for good and valuable consideration, the receipt whereof is acknowledged, Assignor sells, assigns and transfers unto Assignee the entire right, title and interest in and to the said Patent(s); the same to be held and enjoyed by the Assignee for its own use and behoof, and for its legal representatives and assigns, to the full end of the term for which said Patent(s) is(are) granted, as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made.

Assignor: **OSRAM GmbH**

Date:

07.02.17

By:

V.B. Paul

Name: Benjamin Paul

Title: Head of Patents

Assignor

V. Maierl

Name: Christine Maierl

Title: Senior Patent Counsel

Assignor

ANNEX I

Title	Filing date	Application number
NIEDERDRUCKENTLADUNGSLAMPE	27.06.1997	09/068,942 ✓
CERAMIC DISCHARGE VESSEL	14.10.1997	08/949,523 ✓
GLUHLAMPE MIT REFLEXIONSSCHICHT ("HALO-OBLATE")	19.01.1998	09/142,580 ✓
IMPROVED STARTING CIRCUIT FOR LOW-PRESSURE DISCHARGE LAMP	29.07.1999	09/362,907 ✓
REFLECTOR LAMP	23.08.1999	09/379,437 ✓
SODIUM HIGH-PRESSURE LAMP HAVING A STARTING AID	24.02.2000	09/511,946 ✓
DISCHARGE LAMP WITH A BASE	19.02.2000	09/701,930 ✓
PROCESS AND APPARATUS FOR PRODUCING OXIDIC NANOCRYSTALS	20.07.2000	09/619,802 ✓
PROCESS AND APPARATUS FOR PRODUCING OXIDIC NANOCRYSTALS	20.07.2000	09/992,883 ✓
DISCHARGE LAMP WITH ELECTRODE FRAME	06.10.2000	09/869,276 ✓
Einschmelzfolie und zugehoerige Lampe mit dieser Folie	02.11.2000	09/705,026 ✓
APPARATUS FOR PRODUCING OXIDIC NANOCRYSTALS	04.09.2003	10/655169 ✓
DIELECTRIC BARRIER DISCHARGE LAMP	24.09.2001	10/130,604 ✓
Verfahren zum Ansteuern einer sensorgesteuerten Lampe	19.10.2001	10/008,122 ✓
DISCHARGE VESSEL WITH EXCIMER FILL AND ASSOCIATED DISCHARGE LAMP	30.07.2002	10/207,129 ✓
DIELECTRIC BARRIER DISCHARGE LAMP WITH A BASE	14.05.2003	10/514,814 ✓
OPERATING METHOD AND SYSTEM FOR THE RESONANCE OPERATION OF HIGH PRESSURE LAMPS IN THE LONGITUDINAL MODE	12.11.2003	10/704,535 ✓
Lamp with single-sided socket	30.07.2004	10/567,490 ✓
PROCESS FOR PRODUCING A PHOSPHATE OF THE LANTHANIDS, AND PHOSPHATE PRODUCED THEREBY	16.12.2004	11/012,112 ✓
MERCURY LOW PRESSURE DISCHARGE LAMP FOR ILLUMINATING PLANTS	16.03.2005	11/080,503 ✓
CIRCUIT ARRANGEMENT FOR DIMMING AT LEAST ONE LAMP	16.08.2005	11/204,154 ✓
HIGH-PRESSURE DISCHARGE LAMP	14.04.2005	11/578,238 ✓
PHOSPHOR COMPOSITION FOR A LOW-PRESSURE DISCHARGE LAMP WITH HIGH COLOR TEMPERATURE	13.04.2005	11/547,068 ✓
CIRCUIT ARRANGEMENT FOR PRODUCING A CONTROL SIGNAL FOR THE PURPOSE OF DIMMING AT LEAST ONE LAMP	16.08.2005	11/204,053 ✓
FOLDED PACK	29.08.2005	11/212,775 ✓
Ballast having a dimming device	16.03.2006	11/377,113 ✓
Metal halide lamp	03.04.2006	11/395,136 ✓
Metal halide lamp	03.04.2006	11/395,176 ✓
Metal halide lamp	07.04.2006	11/399,495 ✓
Circuit Arrangement and Method for Operating a Discharge Lamp	05.04.2007	12/226,278 ✓
Semiconductor lamp	22.10.2007	11/975,984 ✓
Lamp comprising a base and at least one light-emitting semiconductor component	12.12.2007	12/519,334 ✓

Verfahren zur Zündung und zum Start von Hochdruckentladungslampen	07.05.2007	12/598,942 ✓
LED-Lampe	08.08.2008	12/672,713 ✓
Entladungslampe und Leuchtstoffverbindung für eine Entladungslampe	09.07.2008	12/452,129 ✓
Leuchtstoffmischung für eine Entladungslampe und Entladungslampe, insbesondere Hg-Niederdruckentladungslampe	09.07.2008	12/452,159 ✓
Leuchtstoffmischung für eine Entladungslampe und Entladungslampe, insbesondere Hg-Niederdruckentladungslampe	09.07.2008	12/452,193 ✓
LED-Lampe	27.08.2008	12/199,472 ✓
Lampe	10.09.2008	12/677,330 ✓
Buck-Konverter und Verfahren zum Bereitstellen eines Stroms für mindestens eine LED	17.01.2008	12/812,962 ✓
LED lamp	19.09.2007	12/310,939 ✓
BULB-SHAPED LED LAMP AND COMPACT LED LAMP	19.09.2007	12/311,124 ✓
Dielektrische Barrieren-Entladungslampe in Doppelrohrkonfiguration	26.11.2007	12/734,402 ✓
Dielektrische Barriere-Entladungslampe mit Haltescheibe	21.02.2008	12/918,979 ✓
Einseitig gesockelte Lampe	20.05.2009	12/454,606 ✓
Dielektrische Barriere-Entladungslampe in coaxialer Doppelrohranordnung mit Getter	15.07.2008	12/737,405 ✓
Hochdruckentladungslampe	14.07.2009	12/502,260 ✓
Kühlkörper für Halbleiterleuchtelemente	26.05.2010	13/377,835 ✓
Leuchte	17.12.2009	12/640,014 ✓
KERAMISCHE METALLHALOGENIDLAMPE MIT HOHER FARBTEMPERATUR	26.10.2009	13/127,498 ✓
Cooling element for a lighting device	08.02.2010	13/148,490 ✓
UV-Leuchte mit einer Mehrzahl UV-Lampen, insbesondere zur technischen Produktbehandlung	11.12.2008	13/133,999 ✓
Lighting Device	11.02.2010	13/148,670 ✓
High Pressure Discharge Lampe	02.02.2010	13/201,225 ✓
Lamp incorporating a heat sink and an optically transmissive cover	20.07.2010	13/388,031 ✓
Dielektrische Barriere-Entladungslampe mit Entladungsräumen	21.06.2010	12/819,663 ✓
luminoaphore composition for low pressure discharge lamps	25.10.2010	13/504,973 ✓
LED-Lampe	29.11.2010	13/513,601 ✓
coupling component for lighting devices	17.09.2010	13/497,057 ✓
Hochdruckentladungslampe mit Zündhilfe	26.07.2010	13/389,442 ✓
Hochdruckentladungslampe mit Zündhilfe	26.07.2010	13/389,450 ✓
high-pressure discharge lamp having a starting aid	12.08.2010	13/497,809 ✓
Hochdruckentladungslampe mit kapazitiver Zündhilfe	14.09.2010	12/881,191 ✓
LINEAR LAMP	25.11.2010	13/512,498 ✓
LAMP ARRANGEMENT	04.03.2011	13/580,162 ✓
Keramische Elektrode für eine Hochdruckentladungslampe	10.11.2010	13/515,825 ✓
Hochdruckentladungslampe	26.11.2010	12/954,706 ✓
End piece for a retrofit fluorescent lamp and retrofit fluorescent lamp	16.12.2010	13/516,253 ✓
LAMP HAVING GAS FILLING	27.01.2011	13/578,829 ✓

LED LIGHTING SYSTEM, LED LAMP, AND ILLUMINATION SYSTEM FOR LED	13.12.2010	13/518,894 ✓
SEMICONDUCTOR LAMP	18.03.2011	13/579,291 ✓
Lampe und Endkappe für eine Lampe	08.04.2011	13/637,984 ✓
Sicherung für eine LED-FL-Retrofitlampe, LED-FL-Retrofitlampe und Verfahren zum Herstellen einer LED-FL-Retrofitlampe	18.04.2011	13/695,291 ✓
Hochdruckentladungslampe mit Zündhilfe	08.07.2011	13/809,605 ✓
DYSPROSIUM-HALIDE-CONTAINING HIGH-PRESSURE DISCHARGE LAMP	18.07.2011	13/812,164 ✓
PROCESS FOR PRODUCING AN LED LAMP AND A CORRESPONDING LED LAMP	22.11.2011	13/990,838 ✓
SEMICONDUCTOR LAMP HAVING TWO GROUPS OF LEDS CORRESPONDING TO UPPER AND LOWER SIDES OF A REFLECTOR	04.11.2011	13/884,018 ✓
Hochdruckentladungslampe mit kapazitiver Zündhilfe	08.10.2010	13/812,521 ✓
Ceramic bushing for a high-pressure discharge lamp	19.10.2010	13/880,067 ✓
device for irradiating surfaces	26.10.2011	13/812,870 ✓
Radiating element for irradiating surfaces, having a socket	26.10.2011	13/812,522 ✓
Discharge lamp with an outer bulb surrounded by a wire gauze as explosion protection	07.11.2011	13/885,408 ✓
Hochdruckentladungslampe mit Zündvorrichtung und zugeordnetes Verfahren zu ihrer Herstellung	09.12.2011	13/315,389 ✓
Leuchtvorrichtung	26.01.2012	13/985,324 ✓
Kolben für Halbleiter-Leuchtvorrichtung sowie Halbleiter-Leuchtvorrichtung	13.03.2012	14/110,928 ✓
Ceramic Discharge Vessel and Related Lamp and Method of Manufacturing such a Vessel	10.02.2012	13/979,157 ✓
Druckbares Farbgemisch, Verfahren zum Herstellen eines farbigen Aufdrucks und Verwendung des Farbgemisches	04.04.2012	14/007,332 ✓
SEMICONDUCTOR RETROFIT LAMP HAVING CONNECTING ELEMENTS ARRANGED ON TWO SIDES	29.04.2013	14/399,164 ✓
high-pressure discharge lamp	17.05.2011	14/117,061 ✓
LED lighting assembly and an LED retrofit lamp having the LED lighting assembly	01.08.2012	14/236,344 ✓
Hochdruckentladungslampe	09.05.2012	14/124,265 ✓
high-pressure discharge lamp with a starting aid	22.05.2012	14/125,955 ✓
SEMICONDUCTOR LIGHT DEVICE HAVING A GALVANIC NON-INSULATED DRIVER	14.09.2012	14/352,063 ✓
high-pressure discharge lamp having an ignition aid	28.07.2011	14/123,525 ✓
Hochdruckentladungslampe mit Zündhilfe	26.07.2012	14/235,462 ✓
high-pressure discharge lamp having a starting aid	22.05.2012	14/236,332 ✓
BASE, ROUND TUBE HOUSING AND LAMP INCLUDING BASE AND ROUND TUBE HOUSING	25.09.2012	14/347,244 ✓
Leuchtstoff und Leuchtstofflampe denselben enthaltend	25.06.2012	14/235,809 ✓
A Constant Current Source Circuit and a Sampling circuit	23.08.2012	14/350,816 ✓
Driver Assembly and Method for Manufacturing the Same	10.10.2012	14/355,258 ✓
Master illuminating device, illuminating device and Illumination Control System	26.11.2012	14/359,109 ✓

CONNECTOR, ELECTRONIC DEVICE AND ILLUMINATING DEVICE HAVING THE CONNECTOR	17.12.2012	14/370,969	✓
Illuminating device	15.01.2013	14/372,755	✓
SEMICONDUCTOR LAMP WITH REARWARD BASE REGION	08.01.2013	14/376,438	✓
LED LIGHTING DEVICE AND MANUFACTURING METHOD THEREOF	27.09.2012	14/360,632	✓
Lens and Omnidirectional Illumination Device Comprising the Lens	28.01.2013	14/375,158	✓
Lighting device	01.08.2012	14/236,911	✓
LED LIGHTING DEVICE WITH MINT-COLOURED AND AMBER COLOURED LIGHT-EMITTING DIODES	26.03.2013	14/389,774	✓
Illuminating Device	23.05.2013	14/402,111	✓
Illuminating Device	27.06.2013	14/408,988	✓
LED Retrofit Lamp and Process for Manufacturing the Same	27.06.2013	14/408,968	✓
Leuchtvorrichtung mit miteinander verbundenen Teilen	02.12.2013	14/093,546	✓
Reflektorlampe	17.10.2013	14/055,991	✓
Leuchtvorrichtung	05.12.2013	14/097,278	✓
Lens and Lighting Device	16.10.2013	14/435,755	✓
converter circuit	03.12.2013	14/094,849	✓
ASSEMBLY OF A SEMI-CONDUCTOR LAMP FROM SEPARATELY PRODUCED COMPONENTS	22.08.2014	14/914,288	✓
Elektrische Lampe	31.07.2014	14/447,663	✓
Retrofit lamp	16.04.2014	14/253,879	✓
Gasentladungsröhre mit Zündhilfe	10.04.2014	14/249,394	✓
Lamp Holder and Manufacturing Method thereof and Illuminating Device Comprising the Lamp Holder	12.06.2014	14/898,753	✓
End Cap of Lamp Tube and Illuminating Device Using Said End Cap	28.05.2014	14/896,407	✓
Lighting Device	14.02.2014	14/773,364	✓
Illuminating Device	21.07.2014	14/906,570	✓
LAMP WITH OPTOELECTRONIC LIGHT SOURCE AND IMPROVED ISOTROPY OF THE RADIATION	26.11.2014	15/106,178	✓
Electric lamp and associated production method	10.07.2014	14/327,586	✓
Electric lamp including a built-in-lamp having a pinch seal	29.10.2014	14/526,553	✓
HALBLEITER-RÖHRENLAMPE, ROHR DAFÜR UND HERSTELLUNGSVERFAHREN	16.12.2014	15/118,712	✓
Verdrehbarer Sockel für Lampenröhre	15.05.2015	15/326,986	✓
LOW-PRESSURE DISCHARGE LAMP WITH FLUORESCENT PARTICLES HAVING A SMALL PARTICLE SIZE	04.02.2015	15/122,561	✓
SEMICONDUCTOR LAMP HAVING A HEAT SINK	04.02.2015	15/120,070	✓
Halbleiterlampe	29.04.2015	15/324,155	✓
Connector Device and Illumination Apparatus Comprising the Connector Device	04.02.2015	15/312,513	✓
Illumination Apparatus	30.04.2015	15/329,926	✓
Boost Power Factor Correction Circuit, Driving Circuit for Light-Emitting Diode and Lighting Device	30.04.2015	15/315,810	✓
LAMP HAVING A GLASS BULB AND SEMICONDUCTOR LIGHT SOURCE	22.02.2016	15/049,187	✓

LAMP	04.05.2016	15/145,857	✓
Illuminant with LEDs	30.08.2016	15/251,041	✓