

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT7805810

|   |  |
|---|--|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                             |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                                 |
| <b>CONVEYING PARTY DATA</b>   |  |
| <b>Name</b>   | <b>Execution Date</b>                      |
| KONINKLIJKE PHILIPS N.V.  | 04/28/2017                                 |
| <b>RECEIVING PARTY DATA</b>   |  |
| <b>Name:</b>  | LUMILEDS LLC                               |
| <b>Street Address:</b>  | 370 WEST TRIMBLE ROAD                      |
| <b>City:</b>  | SAN JOSE                                   |
| <b>State/Country:</b>   | CALIFORNIA                                 |
| <b>Postal Code:</b>   | 95131                                      |
| <b>PROPERTY NUMBERS Total: 1</b>  |  |
| <b>Property Type</b>  | <b>Number</b>                              |
| <b>Application Number:</b>  | 15972480                                   |
| <b>CORRESPONDENCE DATA</b>  |  |
| <b>Fax Number:</b>  |  |
| <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> |  |
| <b>Phone:</b>   | 06503837427                                |
| <b>Email:</b>   | paralegal.maxval@maxval.com                |
| <b>Correspondent Name:</b>  | CONVERGENCE INTELLECTUAL PROPERTY LAW P.C. |
| <b>Address Line 1:</b>  | 2251 GRANT RD. SUITE G                     |
| <b>Address Line 4:</b>  | LOS ALTOS, CALIFORNIA 94024                |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 2013P00142WOUS01                           |
| <b>NAME OF SUBMITTER:</b>   | JONATHAN GARFINKEL                         |
| <b>SIGNATURE:</b>   | /Jonathan Garfinkel/                       |
| <b>DATE SIGNED:</b>   | 02/21/2023                                 |
| <b>Total Attachments: 53</b>  |  |
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**DEED OF ASSIGNMENT**

This Deed of Assignment made the 28 day of APRIL Two Thousand Seventeen

BETWEEN:

- (1) Koninklijke Philips N.V., a public limited liability company incorporated in the Netherlands, with corporate seat in Eindhoven, the Netherlands and registered address at High Tech Campus 5, 5656 AE Eindhoven, the Netherlands, ("Royal Philips"), also acting on behalf of Royal Philips' Affiliates
- and
- (2) Lumileds LLC a limited liability company incorporated in the USA, with corporate seat at ~~DELAWARE~~ and registered address at 370 West Trimble Road, San Jose, California 95131, USA (the company)

HAVE AGREED AS FOLLOWS:

#### 1 DEFINITIONS

When used in this Deed, the following capitalised terms shall have the meaning set forth below:

"Affiliate" means with respect to any Person, another Person directly or indirectly Controlling, being Controlled by, or being under common Control with the first Person from the date on which, or at any time during the period for which, the determination of affiliation is being made (i.e. whether now or in the future), provided that for purposes of this Deed the Company and any of its Subsidiaries shall be deemed not to be an Affiliate of Royal Philips or any of its Affiliates and vice versa;

"Annex" means the annex to this Deed;

"Control" of a Person means, (i) with respect to a corporate Person, direct or indirect ownership of more than 50% of the outstanding voting securities of such corporate person or the ability to appoint more than half of the directors of the board of directors or equivalent governing body of such person or the ability to direct or cause the direction of the management and policies of such person,

(ii) with respect to a non-corporate Person, the comparable voting interest or financial participation (as set forth in (i) above) for such non-corporate Person, or (iii) the possession, direct or indirect, of the power to direct or cause the direction of the management and policies of a Person. The terms "Controls", "Controlling" and "Controlled" shall have corresponding meanings;

"Deed" means this deed of transfer of Patents including the Annex

"Governmental Authority" means, to the extent it has jurisdiction in respect of the relevant matter, any judicial, legislative, executive, regulatory or competition authority or any other governmental authority, of any jurisdiction, including of the European Union;

"Party" means Royal Philips or the Company and "Parties" means Royal Philips and the Company together;

"Patents" means any patents, petty patents, utility models and applications therefor, and the right to file patent applications, including any divisionals, amendments, substitutions, continuations, continuations-in-part, provisionals and any patent issuing on any of the foregoing, re-examinations, renewals, re-issues and extensions of any of the foregoing, existing in any country in the world;

"Person" means an individual, a company or corporation, a partnership, a limited liability company, a trust, an association, a foundation or other legal entity or unincorporated organisation, including a Governmental Authority;

"Pro Forma Assignment" means a simple form of assignment containing solely the language required by the applicable law of an issuing jurisdiction to effectuate recordal of the assignment of the Patents as per this Deed; and

"Subsidiary" means, with respect to any Person, another Person, directly or indirectly Controlled by the first Person, whether now or in the future, provided that for purposes of this Deed, the Company and any of its Subsidiaries shall be deemed not to be a Subsidiary of Royal Philips or any of its Affiliates and vice versa.

## 2 TRANSFER OF OWNERSHIP OF PATENTS

In consideration of a sum of € 1.00 (one Euro), the receipt and sufficiency of which is hereby acknowledged and effective as of the date first written above, Royal Philips has assigned and agreed to transfer, and has caused its relevant Affiliates to assign and transfer, and Royal Philips hereby assigns and will cause its relevant Affiliates to assign and transfer to the Company all of Royal Philips' and, as applicable, its Affiliates' rights, title and interest in and to the Patents listed in the Annex, including all rights (a) in and to causes of action and enforcement rights for such Patents to pursue damages, injunctive relief and other remedies for past, present and future infringement of such Patents; and (b) all rights to apply in any and all countries in the world for Patents for any inventions disclosed in the Patents listed in the Annex. The Company has accepted, and hereby accepts, such assignment and Philips and its Affiliates have retained (or been granted) an irrevocable, perpetual, world-wide, royalty-free, fully paid-up license under such Patents.

## 3 AMENDMENTS

No variation, extension, cancellation or translation of any expressed terms of this Deed shall be binding upon Royal Philips or the Company unless made in

writing and signed by a duly authorised representative each of Royal Philips and the Company.

#### 4 EFFECTUATION

The Company will be responsible for effectuating the recordal of the assignment and transfer of the Patents listed in the Annex. In the event that, in addition to this Deed, the Company needs to submit other documents to any patent authorities in order to effectuate the recordal of the assignment and transfer of the Patents listed in the Annex, the Company hereby warrants and guarantees that such other documents will not contain language that in any way prejudices the provisions of this Deed. The Parties shall, at each other's request, (and shall cause their relevant Affiliates to) execute and deliver such written instruments and otherwise do whatever may from time to time reasonably be necessary to fully effectuate the recordal of the assignment and transfer of the Patents listed in the Annex. The Parties may also agree in good faith, for purposes of recordal of the assignment of the Patents as per this Deed, to execute *Pro Forma* Assignments or adjust this Deed provided that the Company hereby warrants and guarantees that such other documents will not contain language that in any way prejudices the provisions of this Deed.

#### 5 OBSERVANCE OF LEGAL REQUIREMENTS

The Company undertakes to observe, and act in accordance with, all applicable legal requirements relating to the effectuation of the recordal of the assignment and transfer of the Patents listed in the Annex.

#### 6 COSTS FOR REFERRAL

Any costs related to the recordal of the assignment and transfer of the Patents listed in the Annex in the relevant registers will be borne by the Company.

#### 7 APPLICABLE LAW AND JURISDICTION

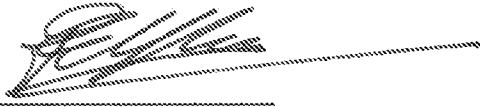
This Deed and the documents to be entered into pursuant to it, save as expressly otherwise provided therein, shall be governed by and construed in accordance with the laws of the Netherlands, provided that to the extent that any provisions of the law of the issuing jurisdiction are mandatory for assignment of Patents, such specific provisions of that law shall prevail.

The Parties shall attempt in good faith to resolve promptly any dispute arising out of or relating to this Deed by negotiation between a duly authorised representative of each Party, including disputes concerning the existence, validity and termination of this Deed, within forty-five (45) business days of the matter being referred to them, following and upon the written request of either of the Parties.

If the Parties are unable to resolve any such dispute as provided above, any such dispute arising out of or relating to this Deed shall be submitted to the Court of The Hague, the Netherlands.

IN EVIDENCE WHEREOF, the Parties have caused this Deed to be signed by their duly authorised representatives the day and year first written above.

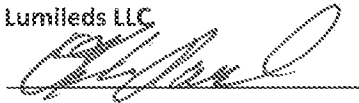
Koninklijke Philips N.V.



Name: Poul de Haan

Title: Authorized Representative

Lumileds LLC



Name: Keaton Parekh

Title: Authorized Representative

Name:

Title:

## ANNEX

| Country code | Filing date | Grant date | Application number | Grant number | Inventor / Name   | Verified owner  |
|--------------|-------------|------------|--------------------|--------------|---|---|
| US           | 11-May-05   |            | 14/749703          |              | van Veen, Co; Biglari, MOHAMMAD HOSSAIN   | <i>Koninklijke Philips Electronics N.V.</i>                                 |
| US           | 22-Mar-96   | 14-Jul-98  | 08/620518          | 5779924      | Krames, Michael R.; Kish, Fred  | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US           | 19-Feb-98   | 18-Jul-00  | 09/026465          | 6091085      | Lester, Steven  | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US           | 27-Aug-98   | 22-Jun-99  | 09/141389          | 5914501      | Damen, Daan   | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US           | 05-Nov-98   | 14-Aug-01  | 09/187547          | 6274924      | Carey, Julian; Iii, William   | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US           | 20-Nov-98   | 23-Oct-01  | 09/196928          | 6307218      | Steigerwald, Daniel Alexander; Kish, Fred; Thomas, Kyle; Martin, Paul; Fletcher, Robert; Rudaz, Serge; Maranowski, Steven; Lester, Steven | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US           | 15-Dec-98   | 27-Feb-01  | 09/212150          | 6194743      | Kondoh, You; Watanabe, Satoshi; Kaneko, Yawara; Nakagawa, Shigeru; Yamada, Norihide   | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |

|    |           |           |           |         |   |   |
|----|-----------|-----------|-----------|---------|---|---|
| US | 08-Jun-99 | 17-Oct-00 | 09/328870 | 6133589 | Krames, Michael R.; Martin, Paul; Tan, Tun-Sein   | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 27-Apr-00 | 11-Jun-02 | 09/561614 | 6404129 | Hendricx, Joop; Muller, Hubertus Joseph; Weerdesteijn, P.; Walravens, Arnoldus Johanna  | Koninklijke Philips Electronics N.V.  |
| US | 30-May-00 | 25-Jun-02 | 09/583029 | 6409372 | Peters, Ralph Hubert; VAN Dulmen, Hendrikus Albertus Maria; Manders, Wilhelmus Johannes Maria   | Koninklijke Philips Electronics N.V.  |
| US | 07-Sep-00 | 16-Nov-04 | 09/656987 | 6819049 | Bohmer, Marcel; Keursten, THEODORA ANTONIA PETRA MARIA; Neilen-Ten Wolde, Paulina Maria Christina; Snijkers-Hendrickx, Ingrid; Broersma, Remy | Koninklijke Philips Electronics N.V.  |
| US | 26-Sep-00 | 27-Aug-02 | 09/670130 | 6439739 | Sischka, Ingolf   | Koninklijke Philips Electronics N.V.  |
| US | 27-Sep-00 | 27-May-03 | 09/671127 | 6570302 | Boonekamp, Erik; van Rijswick, Mathias Hubertus Johannes; van Sprang, Hans; Hebbinghaus, Gerhard  | Koninklijke Philips Electronics N.V.  |
| US | 29-Mar-01 | 15-Apr-03 | 09/823824 | 6547249 | Collins, William David; Bhat, Jerome Chandra; Steigerwald, Daniel Alexander   | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |



|    |           |           |           |         |  |   |
|----|-----------|-----------|-----------|---------|--|---|
| US | 18-May-01 | 28-Sep-04 | 09/860310 | 6798138 | Gervelmeyer, Rolf; Schloemer, Heinz; Schaefer, Ralf; Wings, Leo; Brueckmann, Franz-Josef | Koninklijke Philips Electronics N.V.  |
| US | 13-Jun-01 | 28-Oct-03 | 09/880208 | 6639342 | Boonekamp, Erik; Peek, John; Doetter, Wolfgang   | Koninklijke Philips Electronics N.V.  |
| US | 16-Oct-01 | 10-Apr-07 | 09/978995 | 7202598 | Juestel, Thomas; Ronda, Cees; Mayr, Walter; Schmidt, Peter; Weiler, Volker               | Koninklijke Philips Electronics N.V.  |
| US | 14-Oct-02 | 06-Apr-04 | 10/272150 | 6717353 | Mueller, Gerd O.; Mueller-Mach, Regina B.; Schmidt, Peter; Juestel, Thomas; Sorce, Gerry | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 21-Mar-02 | 01-Mar-05 | 10/276786 | 6861807 | Born, Matthias; Jost, Ruediger   | Koninklijke Philips Electronics N.V.  |
| US | 13-Sep-02 | 16-May-06 | 10/489067 | 7045937 | Bohmer, Marcel; Keursten, THEODORA ANTONIA PETRA MARIA                                   | Koninklijke Philips Electronics N.V.  |
| US | 12-Dec-02 | 29-Aug-06 | 10/500519 | 7097343 | Tiesler-Wittig, Helmut; Wings, Leo   | Koninklijke Philips Electronics N.V.  |
| US | 02-Dec-03 | 27-Feb-07 | 10/502184 | 7183712 | Schoeller, Klaus; Knight, Colette; Schaefer, Ralf; Kuepper, Lukas                        | Koninklijke Philips Electronics N.V.  |
| US | 21-Mar-03 | 05-Jan-10 | 10/508455 | 7642708 | Juestel, Thomas; Mayr, Walter; Schmidt, Peter; Mueller, Gerd O.; Mueller-Mach, Regina B. | Koninklijke Philips Electronics N.V.  |

## BEN PATENTS

|    |                   |                   |           |             |  |  |
|----|-------------------|-------------------|-----------|-------------|--|--|
| US | 26-<br>Mar-<br>03 | 20-<br>Mar-<br>07 | 10/509564 | 71925<br>33 | Bakkers, Erik<br>Petrus<br>Antonius<br>Maria;<br>Roozeboom,<br>FREDDY;<br>Verhoeven,<br>Johannes<br>Franciscus<br>Cornelis<br>Maria; van<br>der Sluis,<br>Paul | Koninklijke Philips<br>Electronics N.V.                                  |
| US | 17-<br>Jun-<br>03 | 13-<br>Mar-<br>07 | 10/521135 | 71901<br>18 | Vaartjes, K.;<br>Haverlag,<br>Marco;<br>Hendricx,<br>Joop  | Koninklijke Philips<br>Electronics N.V.                                  |
| US | 03-<br>Aug-<br>03 | 06-<br>Jul-<br>10 | 10/524406 | 77505<br>71 | Muckel, Ralf;<br>Schoeneich,<br>Juergen;<br>Haselhorst,<br>Georg;<br>Haacke,<br>Michael  | Koninklijke Philips<br>Electronics N.V.                                  |
| US | 18-<br>Aug-<br>03 | 15-<br>May-<br>07 | 10/526200 | 72180<br>52 | Wijenberg,<br>C.; Hendricx,<br>Joop; Born,<br>Matthias   | Koninklijke Philips<br>Electronics N.V.                                  |
| US | 29-<br>Aug-<br>03 | 05-<br>Jan-<br>10 | 10/527007 | 76427<br>22 | Schoeller,<br>Klaus;<br>Gervelmeyer,<br>Rolf   | Koninklijke Philips<br>Electronics N.V.                                  |
| US | 07-<br>Oct-<br>03 | 13-<br>Jun-<br>06 | 10/531034 | 70610<br>24 | Schmidt,<br>Peter;<br>Juestel,<br>Thomas;<br>Mayr, Walter;<br>Bausen,<br>Hans-Dieter;<br>Schnick,<br>Wolfgang;<br>HOEPPE,<br>HENNING                           | Koninklijke Philips<br>Electronics N.V.                                  |
| US | 04-<br>Dec-<br>03 | 09-<br>Jun-<br>09 | 10/538203 | 75443<br>09 | Juestel,<br>Thomas;<br>Schmidt,<br>Peter;<br>HOEPPE,<br>HENNING;<br>Schnick,<br>Wolfgang;<br>Mayr, Walter  | Koninklijke Philips<br>Electronics N.V.                                  |
| US | 05-<br>Mar-<br>04 | 11-<br>Aug-<br>09 | 10/549231 | 75731<br>89 | Juestel,<br>Thomas;<br>Busselt,<br>Wolfgang;<br>Schmidt,<br>Peter; Mayr,<br>Walter   | Koninklijke Philips<br>Electronics N.V.<br>Lumileds Lighting<br>U.S. LLC |

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|----|-------------------|-------------------|-----------|-------------|--|---|
| US | 04-<br>Aug-<br>04 | 14-<br>Jul-<br>09 | 10/568016 | 75596<br>85 | Rosenmueller<br>, Peter;<br>Flehsig,<br>Juergen;<br>Unger,<br>Helmar   | Koninklijke Philips<br>Electronics N.V.   |
| US | 27-<br>Oct-<br>04 | 17-<br>Nov-<br>09 | 10/578074 | 76182<br>90 | Van Gennip,<br>Nico  | Koninklijke Philips<br>Electronics N.V.   |
| US | 23-<br>Sep-<br>05 | 29-<br>Jun-<br>10 | 10/596219 | 77459<br>82 | Rosenmueller<br>, Peter;<br>Flehsig,<br>Juergen;<br>Mueller, Gert<br>W.;<br>Trampler,<br>Andreas   | Koninklijke Philips<br>Electronics N.V.   |
| US | 29-<br>Jul-<br>03 | 05-<br>Oct-<br>04 | 10/631001 | 68005<br>00 | Epler, John<br>Edward  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 15-<br>Nov-<br>04 | 18-<br>Nov-<br>08 | 10/990208 | 74527<br>37 | Basin,<br>Grigoriy;<br>West,<br>ROBERT<br>SCOTT;<br>MARTIN, Paul<br>S.; Harbers,<br>Gerard;<br>Smits, Willem<br>Hendrik;<br>Hendriks,<br>Robert Frans<br>Maria;<br>Konijn, Frans<br>Hubert | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 28-<br>Feb-<br>05 | 18-<br>Mar-<br>08 | 11/069418 | 73449<br>02 | Basin,<br>Grigoriy;<br>West,<br>ROBERT<br>SCOTT;<br>MARTIN, Paul<br>S.; Harbers,<br>Gerard;<br>Smits, Willem<br>Hendrik;<br>Hendriks,<br>Robert Frans<br>Maria;<br>Konijn, Frans<br>Hubert | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 29-<br>Mar-<br>05 | 01-<br>Apr-<br>08 | 11/093961 | 73520<br>11 | Basin,<br>Grigoriy;<br>West,<br>ROBERT<br>SCOTT;<br>MARTIN, Paul<br>S.; Harbers,<br>Gerard;<br>Smits, Willem   | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |

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|----|-------------------|-------------------|-----------|-------------|--|---|
|    |                   |                   |           |             | Hendrik;<br>Hendriks,<br>Robert Frans<br>Maria;<br>Konijn, Frans<br>Hubert   |   |
| US | 29-<br>Mar-<br>05 | 01-<br>Apr-<br>08 | 11/093961 | 73520<br>11 | Smits, Willem<br>Hendrik   | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 27-<br>May<br>-05 | 18-<br>May-<br>10 | 11/139325 | 77190<br>18 | Misra, Mira<br>S.; Shen, Yu-<br>Chen;<br>Stockman,<br>Stephen A.   | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 29-<br>Nov-<br>05 | 07-<br>Apr-<br>09 | 11/290299 | 75147<br>21 | KRAMES,<br>Michael R.;<br>Schmidt,<br>Peter  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 08-<br>Mar-<br>06 | 10-<br>May-<br>11 | 11/371883 | 79389<br>83 | Meyer, Joerg;<br>Schmidt,<br>Peter; Mayr,<br>Walter;<br>Bausen,<br>Hans.Dieter;<br>Mueller-<br>Mach, Regina<br>B.; Mueller,<br>Gerd O. | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 13-<br>Mar-<br>06 | 22-<br>Jun-<br>10 | 11/374670 | 77409<br>00 | Bohmer,<br>Marcel;<br>Keursten,<br>THEODORA<br>ANTONIA<br>PETRA MARIA  | Koninklijke Philips<br>Electronics N.V.   |
| US | 18-<br>Oct-<br>06 | 30-<br>Nov-<br>10 | 11/550488 | 78429<br>63 | Schiaffino,<br>Stefano;<br>Uebbing,<br>John Julian   | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 15-<br>Apr-<br>05 | 03-<br>Jan-<br>12 | 11/568037 | 80879<br>66 | Hebbinghaus,<br>Gerhard;<br>Merx, Jozef  | Koninklijke Philips<br>Electronics N.V.   |
| US | 23-<br>May<br>-05 | 20-<br>Apr-<br>10 | 11/569182 | 77000<br>02 | Schmidt,<br>Peter;<br>Juestel,<br>Thomas;<br>HOEPPE,<br>HENNING;<br>Schnick,<br>Wolfgang;<br>Mayr, Walter                              | Koninklijke Philips<br>Electronics N.V.;<br>LumiLeds Lighting<br>U.S. LLC               |
| US | 11-<br>May<br>-05 | 30-<br>Oct-<br>12 | 11/569609 | 82986<br>80 | van Veen,<br>Co; Biglari,<br>MOHAMMAD<br>HOSSAIN   | Mat-Tech B.V;<br>Koninklijke Philips<br>Electronics N.V.                                |



|    |                   |                   |           |             |   |  |
|----|-------------------|-------------------|-----------|-------------|---|--|
| US | 10-<br>Jun-<br>05 | 28-<br>Jun-<br>11 | 11/570345 | 79690<br>89 | Bechtel,<br>Hans-<br>Helmut;<br>Busselt,<br>Wolfgang;<br>Gaertner,<br>Georg;<br>Haskal, Eliav;<br>Opitz,<br>Joachim | Koninklijke Philips<br>Electronics N.V.  |
| US | 21-<br>Jun-<br>05 | 06-<br>Jul-<br>10 | 11/570897 | 77503<br>57 | Bertram,<br>Dietrich;<br>Bechtel,<br>Hans-<br>Helmut;<br>Busselt,<br>Wolfgang;<br>Greiner,<br>Horst                 | Koninklijke Philips<br>Electronics N.V.  |
| US | 01-<br>Jul-<br>05 | 08-<br>Jun-<br>10 | 11/571757 | 77330<br>26 | Hebbinghaus,<br>Gerhard;<br>Merx, Jozef   | Koninklijke Philips<br>Electronics N.V.  |
| US | 28-<br>Jul-<br>05 | 09-<br>Feb-<br>10 | 11/573001 | 76585<br>35 | Flechsig,<br>Juergen;<br>Reyer, Sven;<br>Trampler,<br>Andreas;<br>Rosenmueller<br>, Peter                           | Koninklijke Philips<br>Electronics N.V.  |
| US | 31-<br>Aug-<br>05 |                   | 11/574414 |             | Kubon,<br>Marcus;<br>Scholak,<br>Gerald   | Koninklijke Philips<br>N.V.  |
| US | 12-<br>Sep-<br>05 | 28-<br>Sep-<br>10 | 11/575080 | 78042<br>49 | Dhenaut,<br>Matthieu;<br>Balkenende,<br>Ruud;<br>Mercier,<br>Virginie;<br>Straetmans,<br>Jean-<br>Sebastien         | Koninklijke Philips<br>Electronics N.V.  |
| US | 12-<br>Sep-<br>05 | 07-<br>Apr-<br>09 | 11/575330 | 75136<br>42 | Sormani,<br>Joseph<br>Ludovicus<br>Antonius<br>Maria  | Koninklijke Philips<br>Electronics N.V.  |
| US | 22-<br>Sep-<br>05 | 15-<br>Dec-<br>09 | 11/575702 | 76319<br>91 | Anderson,<br>Duncan J.;<br>Zou, Hans  | Koninklijke Philips<br>Electronics N.V.  |
| US | 06-<br>Oct-<br>05 | 19-<br>Jul-<br>11 | 11/577436 | 79823<br>77 | Haacke,<br>Michael;<br>Postma,<br>Pieter  | Koninklijke Philips<br>Electronics N.V.  |
| US | 13-<br>Jan-<br>07 | 04-<br>Nov-<br>08 | 11/623068 | 74463<br>43 | Mueller,<br>Gerd;<br>Mueller,<br>Regina;<br>Juestel,<br>Thomas;<br>Huppertz,  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. et Al. |

|    |                   |                   |           |             |   |   |
|----|-------------------|-------------------|-----------|-------------|---|---|
|    |                   |                   |           |             | Petra;<br>Wiechert,<br>Detlef;<br>Uhlich,<br>Dominik  |   |
| US | 23-<br>Jan-<br>07 | 14-<br>Sep-<br>10 | 11/626280 | 77950<br>51 | Elpedes,<br>Cresente S.;<br>Fiteri Bin<br>Aziz, Zainul;<br>MARTIN, Paul<br>S.   | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 27-<br>Mar-<br>07 | 13-<br>Oct-<br>09 | 11/692132 | 76019<br>89 | Epler, John<br>Edward;<br>ZHAO,<br>HANMIN;<br>Krames,<br>Michael R.   | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 14-<br>Nov-<br>05 | 24-<br>Sep-<br>13 | 11/719240 | 85417<br>97 | Hoelen,<br>Christoph;<br>van den<br>Ackerveken,<br>Ton; Rutjes,<br>Corne; van<br>Os, Koen; de<br>Samber,<br>Marc;<br>Treurniet,<br>Theo | Koninklijke Philips<br>Electronics N.V.   |
| US | 15-<br>Nov-<br>05 | 13-<br>Sep-<br>11 | 11/719300 | 80179<br>55 | Wang, Lingli;<br>van Os,<br>Koen;<br>Ansems,<br>Johan   | Koninklijke Philips<br>Electronics N.V.   |
| US | 22-<br>Dec-<br>05 |                   | 11/722809 |             | Lesch,<br>Norbert;<br>Westmeyer,<br>Manfred;<br>Schoeller,<br>Klaus   | Koninklijke Philips<br>N.V.   |
| US | 08-<br>Jun-<br>07 | 07-<br>Sep-<br>10 | 11/760521 | 77910<br>96 | Craford,<br>Magnus<br>George;<br>KRAMES,<br>Michael R.  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 09-<br>Jul-<br>07 | 11-<br>Jan-<br>11 | 11/775059 | 78677<br>93 | Basin,<br>Grigoriy;<br>West, Robert;<br>Martin, Paul<br>Scott   | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 16-<br>Jan-<br>06 | 29-<br>Jun-<br>10 | 11/814683 | 77460<br>05 | Weinert,<br>Holger;<br>Saveliev,<br>Anatoli   | Koninklijke Philips<br>Electronics N.V.   |
| US | 24-<br>Jan-<br>06 | 11-<br>May-<br>10 | 11/815106 | 77129<br>48 | Schug, Josef;<br>Linssen_2,<br>Petrus<br>Johannes<br>Antonius;<br>Peters, Ralph<br>Hubert   | Koninklijke Philips<br>Electronics N.V.   |

|    |           |           |           |             |   |   |
|----|-----------|-----------|-----------|-------------|---|---|
| US | 10-Feb-06 | 08-Mar-11 | 11/816262 | 79015<br>92 | Schmidt, Peter; Bachmann, Volker; Golsch, Silvia; Busselt, Wolfgang                     | Koninklijke Philips Electronics N.V.  |
| US | 10-Feb-06 | 01-Oct-13 | 11/816702 | 85457<br>22 | Schmidt, Peter; Meyer, Joerg; Mayr, Walter; Bechtel, Hans-Helmut                        | Koninklijke Philips Electronics N.V.  |
| US | 30-Aug-07 | 03-Aug-10 | 11/848055 | 77687<br>54 | Collins, William David; Bhat, Jerome Chandra  | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 04-Sep-07 | 07-Sep-10 | 11/849930 | 77910<br>93 | Basin, Grigoriy; Martin, Paul; Haque, Ashim Shatil; Chen, Ching-Hui; West, Robert Scott | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 22-Oct-07 | 30-Mar-10 | 11/876404 | 76878<br>10 | Mo, Qingwei; Daguio, Arnold   | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 10-Mar-06 | 01-Feb-11 | 11/908134 | 78792<br>58 | de Graaf, Jan; Kop, Theo Arnold   | Koninklijke Philips Electronics N.V.  |
| US | 17-May-06 | 22-Feb-11 | 11/914969 | 78936<br>23 | Haacke, Michael   | Koninklijke Philips Electronics N.V.  |
| US | 09-May-06 | 21-Sep-10 | 11/915320 | 78001<br>23 | Bechtel, Hans-Helmut; Busselt, Wolfgang; Schmidt, Peter                                 | Koninklijke Philips Electronics N.V.  |
| US | 22-May-06 | 13-Jul-10 | 11/916100 | 77535<br>53 | Juestel, Thomas; Mayr, Walter; Meyer, Joerg; Schmidt, Peter                             | Koninklijke Philips Electronics N.V.  |
| US | 19-Dec-07 | 26-Jul-11 | 11/960180 | 79859<br>79 | WIERER, Jonathan J.; David, Aurelien Jean Francois; Choy, Henry                         | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 31-Oct-07 | 15-Dec-09 | 11/980991 | 76319<br>86 | Harrah, Shane   | Koninklijke Philips Electronics N.V.  |

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|----|-------------------|-------------------|-----------|-------------|---|---|
| US | 28-<br>Jun-<br>06 | 19-<br>Jul-<br>11 | 11/993476 | 79813<br>21 | Schmidt,<br>Peter;<br>Bachmann,<br>Volker   | Koninklijke Philips<br>Electronics N.V.   |
| US | 04-<br>Jul-<br>06 | 31-<br>May-<br>11 | 11/995385 | 79522<br>70 | Bechtel,<br>Hans-<br>Helmut;<br>Busselt,<br>Wolfgang;<br>Schmidt,<br>Peter  | Koninklijke Philips<br>Electronics N.V.   |
| US | 20-<br>Feb-<br>08 |                   | 12/034588 |             | Mueller, Gerd<br>O.; Mueller-<br>Mach, Regina<br>B.; Krames,<br>Michael R.;<br>Schmidt,<br>Peter;<br>Bechtel,<br>Hans-<br>Helmut;<br>Meyer, Joerg;<br>de Graaf,<br>Jan; Kop,<br>Theo Arnold | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 14-<br>Mar-<br>08 |                   | 12/049239 |             | Basin,<br>Grigoriy;<br>West,<br>ROBERT<br>SCOTT;<br>MARTIN, Paul<br>S.; Harbers,<br>Gerard;<br>Smits, Willem<br>Hendrik;<br>Hendriks,<br>Robert Frans<br>Maria;<br>Konijn, Frans<br>Hubert  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 14-<br>Aug-<br>06 | 05-<br>Jan-<br>10 | 12/064100 | 76427<br>07 | Luettgens,<br>Gunnar;<br>Kraus,<br>Albrecht;<br>Spinger,<br>Benno   | Koninklijke Philips<br>Electronics N.V.   |
| US | 12-<br>Sep-<br>06 | 05-<br>Oct-<br>10 | 12/067845 | 78065<br>75 | Willwohl,<br>Harald;<br>Elders,<br>Gerard;<br>Reniers, Jan;<br>van der<br>Wielen, Piet<br>van der;<br>Peters, Ralph<br>Hubert   | Koninklijke Philips<br>Electronics N.V.   |
| US | 26-<br>Sep-<br>06 | 03-<br>Apr-<br>12 | 12/089085 | 81470<br>67 | Weichmann,<br>Ulrich;<br>Schmidt,<br>Peter;<br>Heusler, Gero  | Koninklijke Philips<br>Electronics N.V.   |



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|----|-------------------|-------------------|-----------|-------------|---|---|
| US | 27-<br>Oct-<br>06 | 17-<br>Apr-<br>12 | 12/092745 | 81591<br>26 | Schmidt,<br>Peter; Meyer,<br>Joerg; Mayr,<br>Walter;<br>Busselt,<br>Wolfgang;<br>Bechtel,<br>Hans-Helmut  | Koninklijke Philips<br>Electronics N.V.   |
| US | 03-<br>Nov-<br>06 | 19-<br>Mar-<br>13 | 12/092753 | 83984<br>48 | Schug, Josef  | Koninklijke Philips<br>Electronics N.V.   |
| US | 09-<br>Nov-<br>06 | 21-<br>Sep-<br>10 | 12/093607 | 77986<br>91 | Peters, Ralph<br>Hubert; de<br>Samber,<br>Marc; van<br>Os, Koen;<br>Sweegers,<br>Norbert;<br>Lenderink,<br>Egbert; van<br>Heeswijk,<br>Johannes<br>Antonius<br>Adrianus<br>Maria; KOHL,<br>Johann-Josef | Koninklijke Philips<br>Electronics N.V.   |
| US | 04-<br>Dec-<br>06 | 03-<br>Sep-<br>13 | 12/096924 | 85234<br>13 | Schug, Josef  | Koninklijke Philips<br>Electronics N.V.   |
| US | 06-<br>Dec-<br>06 | 24-<br>Jul-<br>12 | 12/097137 | 82292<br>57 | Schulz,<br>Volkmar  | Koninklijke Philips<br>Electronics N.V.   |
| US | 13-<br>Dec-<br>06 | 11-<br>Sep-<br>12 | 12/097944 | 82624<br>28 | Lesch,<br>Norbert;<br>Merx, Jozef;<br>Scholak,<br>Gerald  | Koninklijke Philips<br>Electronics N.V.   |
| US | 16-<br>Jun-<br>08 | 13-<br>Jul-<br>13 | 12/139999 | 85079<br>29 | Grillot,<br>Patrick;<br>Chen,<br>Eugene;<br>Salim,<br>Sateria;<br>ALDAZ,<br>Rafael  | Koninklijke Philips<br>Electronics N.V.   |
| US | 06-<br>Dec-<br>06 | 02-<br>Aug-<br>11 | 12/158290 | 79900<br>69 | Luerkens,<br>Peter  | Koninklijke Philips<br>Electronics N.V.   |
| US | 15-<br>Jan-<br>07 | 28-<br>Dec-<br>10 | 12/162072 | 78591<br>85 | Bechtel,<br>Hans-<br>Helmut;<br>Busselt,<br>Wolfgang;<br>Schmidt,<br>Peter  | Koninklijke Philips<br>Electronics N.V.   |
| US | 29-<br>Aug-<br>08 | 15-<br>Feb-<br>11 | 12/201428 | 78886<br>91 | Krames,<br>Michael R.   | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |

|    |           |           |           |         |   |   |
|----|-----------|-----------|-----------|---------|---|---|
| US | 18-Sep-08 | 28-Dec-10 | 12/212991 | 7858409 | Kessels, Marc; Sillevis Smitt, Willem; Mueller, Gerd; Bierhuizen, Serge               | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 24-Sep-08 | 06-Mar-12 | 12/236527 | 8129735 | Bierhuizen, Serge; Sillevis Smitt, Willem   | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 24-Sep-08 |           | 12/236853 |         | McLaurin, Melvin; KRAMES, Michael R.  | Koninklijke Philips Electronics N.V.  |
| US | 10-Oct-08 | 23-Nov-10 | 12/248968 | 7837370 | Bierhuizen, Serge; Eng, Gregory W.  | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 19-Mar-04 | 09-Mar-10 | 12/259120 | 7675084 | Wierer, Jonathan J. Jr.; Krames, Michael R.; Epler, John Edward                       | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 05-Nov-08 | 09-Aug-11 | 12/265131 | 7994529 | Bierhuizen, Serge; Butterworth, Mark  | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 06-Nov-08 | 22-Nov-11 | 12/266162 | 8062916 | KRAMES, Michael R.; Epler, John; Steigerwald, Daniel; Margalith, Tal                  | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 24-Nov-08 | 08-Mar-11 | 12/277230 | 7902566 | Paolini, Steve; Camras, Michael D.; Chao, Oscar; Steranka, Frank Michael; Epler, John | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 26-Jan-07 | 22-Nov-11 | 12/278449 | 8063580 | Saveliev, Anatoli; Tochadse, Gennadi  | Koninklijke Philips Electronics N.V.  |
| US | 29-Aug-08 | 09-Aug-11 | 12/281161 | 7994530 | Weijers, Gon; Lankhorst, Martijn; Wang, Lingli; Tukker, Teus                          | Koninklijke Philips Electronics N.V.  |
| US | 06-Mar-07 | 15-Feb-11 | 12/282181 | 7887224 | Theelen, ANTONIUS NICOLAAS; Doree,  | Koninklijke Philips Electronics N.V.  |

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|----|-------------------|-------------------|-----------|-------------|---|---|
|    |                   |                   |           |             | Vanessa;<br>Riou,<br>Philippe;<br>Pelsma, Jelle   |   |
| US | 13-<br>Mar-<br>07 | 09-<br>Sep-<br>14 | 12/293099 | 88297<br>79 | Schmidt,<br>Peter;<br>Bechtel,<br>Hans-<br>Helmut;<br>Busselt,<br>Wolfgang;<br>Schreinema-<br>cher, Baby-<br>Seriya | Koninklijke Philips<br>Electronics N.V.   |
| US | 10-<br>Apr-<br>07 | 11-<br>Oct-<br>11 | 12/298061 | 80352<br>87 | Schmidt,<br>Peter;<br>Bechtel,<br>Hans-<br>Helmut;<br>Busselt,<br>Wolfgang  | Koninklijke Philips<br>Electronics N.V.   |
| US | 25-<br>Apr-<br>07 | 20-<br>Jul-<br>10 | 12/298960 | 77582<br>21 | Weijers, Gon  | Koninklijke Philips<br>Electronics N.V.   |
| US | 26-<br>Apr-<br>07 | 20-<br>Mar-<br>12 | 12/298966 | 81386<br>71 | Hildenbrand,<br>Volker;<br>Mercier,<br>Virginie;<br>Hendriks,<br>Rene   | Koninklijke Philips<br>Electronics N.V.   |
| US | 06-<br>Jun-<br>07 | 28-<br>Aug-<br>12 | 12/302607 | 82515<br>38 | de Samber,<br>Marc; Peters,<br>Ralph<br>Hubert;<br>Sormani,<br>Joseph<br>Ludovicus<br>Antonius<br>Maria             | Koninklijke Philips<br>Electronics N.V.   |
| US | 11-<br>Jun-<br>07 | 21-<br>Feb-<br>12 | 12/305380 | 81202<br>47 | Schmidt,<br>Peter;<br>Bechtel,<br>Hans-Helmut   | Koninklijke Philips<br>Electronics N.V.   |
| US | 28-<br>Jun-<br>07 | 18-<br>Mar-<br>14 | 12/307770 | 86745<br>91 | Kessels,<br>Marc;<br>Schoeller,<br>Klaus  | Koninklijke Philips<br>Electronics N.V.   |
| US | 28-<br>Jun-<br>07 | 08-<br>Feb-<br>11 | 12/307774 | 78845<br>49 | Schoeller,<br>Klaus;<br>Westemeyer,<br>Manfred;<br>Manders,<br>Freddy;<br>Visser, Bram                              | Koninklijke Philips<br>Electronics N.V.   |
| US | 23-<br>Jan-<br>09 | 20-<br>Jul-<br>10 | 12/359166 | 77591<br>44 | Wall, Franklin<br>Joseph Jr.  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |

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| US | 26-<br>Jan-<br>09 | 09-<br>Aug-<br>11 | 12/359374 | 79959<br>11 | Butterworth,<br>Mark   | Koninklijke Philips<br>Electronics N.V.   |
| US | 31-<br>May-<br>06 | 25-<br>Jan-<br>11 | 12/368213 | 78755<br>33 | Epler, John<br>Edward;<br>MARTIN, Paul<br>S.; Krames,<br>Michael R.                      | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 13-<br>Feb-<br>09 | 21-<br>Sep-<br>10 | 12/371497 | 78011<br>95 | Jansen, Mitch  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 12-<br>Jul-<br>07 | 27-<br>Dec-<br>11 | 12/373234 | 80860<br>82 | Lenderink,<br>Egbert;<br>Peters, Ralph<br>Hubert;<br>Schug, Josef;<br>de Samber,<br>Marc | Koninklijke Philips<br>Electronics N.V.   |
| US | 15-<br>Aug-<br>07 | 28-<br>Feb-<br>12 | 12/377608 | 81252<br>44 | Baddela,<br>Srinivasa;<br>Aboulinga, Aly   | Koninklijke Philips<br>Electronics N.V.   |
| US | 29-<br>Nov-<br>05 | 02-<br>Oct-<br>12 | 12/390564 | 82786<br>74 | KRAMES,<br>Michael R.;<br>Schmidt,<br>Peter  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 04-<br>Mar-<br>09 | 19-<br>Jun-<br>12 | 12/397367 | 82027<br>41 | Neff, Jim;<br>Epler, John;<br>Schiaffino,<br>Stefano                                     | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 04-<br>Mar-<br>09 | 25-<br>Jan-<br>11 | 12/397392 | 78759<br>84 | Epler, John;<br>KRAMES,<br>Michael R.;<br>Neff, Jim                                      | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 04-<br>Mar-<br>09 | 31-<br>Jan-<br>12 | 12/397417 | 81064<br>03 | McLaurin,<br>Melvin  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 03-<br>Apr-<br>09 | 03-<br>Jul-<br>12 | 12/417673 | 82122<br>63 | Bierhuizen,<br>Serge; Eng,<br>Gregory W.   | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 29-<br>Apr-<br>09 | 31-<br>Jan-<br>12 | 12/432521 | 81049<br>07 | Shchekin,<br>Oleg;<br>Bierhuizen,<br>Serge   | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 30-<br>Apr-<br>09 | 04-<br>Jan-<br>11 | 12/433106 | 78636<br>31 | Krames,<br>Michael R.;<br>Gardner,<br>Nathan F.;<br>Steranka,<br>Frank M.                | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |

## BEN PATENTS

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|----|-----------|-----------|-----------|---------|--|---|
| US | 06-May-09 | 12-Jul-11 | 12/436442 | 7977132 | Margalith, Tal; Schiaffino, Stefano; Choy, Henry                                   | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 18-Sep-07 | 25-Oct-11 | 12/439295 | 8044421 | Offermans, Paul; Beckers, Lucas  | Koninklijke Philips Electronics N.V.  |
| US | 07-Sep-07 |           | 12/440470 |         | Deprez, Francis, Martin, Jozef; Merx, Jozef  | Koninklijke Philips N.V.  |
| US | 10-Sep-07 | 19-Jun-12 | 12/440592 | 8203257 | Kuepper, Lukas; Kraus, Albrecht; Spinger, Benno                                    | Koninklijke Philips Electronics N.V.  |
| US | 17-Sep-07 | 03-Feb-15 | 12/441588 | 8944650 | van As, Marco; Peters, Ralph Hubert  | Koninklijke Philips Electronics N.V.  |
| US | 03-Jun-09 | 08-Jun-10 | 12/477222 | 7732231 | Neff, Jim; ALDAZ, Rafael   | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 09-Jun-09 | 01-May-12 | 12/481021 | 8168998 | David, Aurelien Jean Francois; ALDAZ, Rafael; Butterworth, Mark; Bierhuizen, Serge | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 18-Jun-09 | 03-Jan-12 | 12/487314 | 8089091 | Eplier, John   | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 30-Jun-09 | 13-Sep-11 | 12/494988 | 8017958 | Chung, Theodore; Munkholm, Anneli  | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 30-Jun-09 | 22-May-12 | 12/495258 | 8183577 | YI, SUNGSOO; Gardner, Nathan; Ye, Qi   | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 16-Jul-09 |           | 12/503915 |         | Bierhuizen, Serge  | Koninklijke Philips Electronics N.V.  |
| US | 16-Jul-09 | 30-Apr-13 | 12/503951 | 8431423 | Basin, Grigoriy; Martin, Paul Scott  | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |

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## BEN PATENTS

|    |           |           |           |         |  |   |
|----|-----------|-----------|-----------|---------|--|---|
| US | 21-Jul-09 | 13-Dec-11 | 12/506632 | 8076682 | Epler, John  | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 22-Jul-09 | 12-Aug-14 | 12/507493 | 8803171 | Bierhuizen, Serge; Shchekin, Oleg  | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 23-Jul-09 | 17-Jan-12 | 12/508238 | 8097894 | Bierhuizen, Serge; Eng, Gregory W.   | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 06-Nov-07 | 18-Oct-11 | 12/513516 | 8040065 | Schloemer, Heinz   | Koninklijke Philips Electronics N.V.  |
| US | 30-Nov-07 | 21-Aug-12 | 12/517284 | 8247828 | Bechtel, Hans-Helmut; Busselt, Wolfgang; Schmidt, Peter; Meyer, Joerg                                  | Koninklijke Philips Electronics N.V.  |
| US | 14-Dec-07 | 04-Mar-14 | 12/519431 | 8664683 | Steenbrugge n, Geert   | Koninklijke Philips Electronics N.V.  |
| US | 14-Dec-07 | 02-Apr-13 | 12/519439 | 8410500 | Sormani, Joseph Ludovicus Antonius Maria; Lenderink, Egbert; Epmeier, Matthias; Weijers, Gon           | Koninklijke Philips Electronics N.V.  |
| US | 31-Jan-08 | 10-Apr-12 | 12/525083 | 8153025 | Schmidt, Peter; Mayr, Walter; Meyer, Joerg; Schnick, Wolfgang; Hecht, Cora Sieglinde; Stadler, Florian | Koninklijke Philips Electronics N.V.  |
| US | 31-Jan-08 |           | 12/525085 |         | Schmidt, Peter; Beckers, Lucas; Meyer, Joerg; Schreinemac her, Baby-Seriyati; Schreinemac her, Herbert | Koninklijke Philips N.V.  |

PÄTENT

REEL: 062816 FRAME: 0221

|    |           |           |           |         |   |   |
|----|-----------|-----------|-----------|---------|---|---|
| US | 22-Feb-08 | 10-Jun-14 | 12/527910 | 8749158 | Wendt, Matthias; Sauerlaender, Georg; van den Bogaart, Patrick  | Koninklijke Philips Electronics N.V.  |
| US | 07-Mar-08 | 04-Oct-11 | 12/530537 | 8030847 | Haacke, Michael; Stroesser, Martin  | Koninklijke Philips Electronics N.V.  |
| US | 07-Mar-08 | 19-May-15 | 12/530542 | 9033564 | Gerhard, Markus; de Wit, Mathijs  | Koninklijke Philips Electronics N.V.  |
| US | 09-Sep-09 | 19-Mar-13 | 12/556054 | 8400064 | Wei, Yajun; Collins, Dave W; Steigerwald, Daniel  | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V.         |
| US | 17-Sep-09 |           | 12/561617 |         | Wang, Patrick; Sun, Decai; Eng, Gregory W.; Wei, Yajun; Bierhuizen, Serge   | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V.         |
| US | 21-Sep-09 | 16-Jul-13 | 12/563953 | 8486771 | Faure, Bruce Laurent Daniel; KRAMES, Michael R.; Gardner, Nathan  | SOITEC; Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 12-Oct-09 | 07-Aug-12 | 12/577623 | 8236582 | Neff, Jim; Bierhuizen, Serge; Epler, John   | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V.         |
| US | 08-Apr-08 |           | 12/594832 |         | Flechsigg, Juergen; Rosenmueller, Peter   | Koninklijke Philips N.V.  |
| US | 15-Apr-08 | 18-Jun-13 | 12/595660 | 8465166 | Meyer, Joerg; Bechtel, Hans-Helmut; Mayr, Walter; Schmidt, Peter; Schreinemacher, Baby-Seriyati; Wiechert, Detlef | Koninklijke Philips Electronics N.V.  |
| US | 15-May-08 | 02-Feb-15 | 12/600495 | 8944651 | Benter, Nils; Spinger, Benno; Haenen, Ludo; Meijers, AUGUSTINUS GREGORIUS   | Koninklijke Philips Electronics N.V.  |

|    |                   |                   |           |             |   |   |
|----|-------------------|-------------------|-----------|-------------|---|---|
|    |                   |                   |           |             | HENRICUS;<br>Kaandorp,<br>Wouter  |   |
| US | 30-<br>May<br>-08 |                   | 12/601854 |             | Dhenaut,<br>Matthieu;<br>Pelsma, Jelle;<br>Debes, Hani;<br>Doree,<br>Vanessa;<br>Theelen,<br>ANTONIUS<br>NICOLAAS;<br>Geelen,<br>Victor                           | Koninklijke Philips<br>N.V.   |
| US | 06-<br>Nov-<br>09 | 25-<br>Jun-<br>13 | 12/613924 | 84712<br>80 | ALDAZ,<br>Rafael;<br>KRAMES,<br>Michael R.;<br>Basin,<br>Grigoriy;<br>MARTIN, Paul<br>S.  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 23-<br>Nov-<br>09 | 19-<br>Jun-<br>12 | 12/624156 | 82031<br>61 | Simonian,<br>Dmitri; Basin,<br>Grigoriy   | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 23-<br>Nov-<br>09 | 12-<br>Nov-<br>13 | 12/624268 | 85812<br>29 | Dupont,<br>Frédéric<br>Georges<br>Michel; Epler,<br>John  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 16-<br>Sep-<br>08 |                   | 12/678321 |             | Willwohl,<br>Harald;<br>Sweegers,<br>Norbert;<br>Kloosterman,<br>Jan  | Koninklijke Philips<br>N.V.   |
| US | 16-<br>Sep-<br>08 |                   | 12/678322 |             | Willwohl,<br>Harald;<br>Schug, Josef;<br>Kaandorp,<br>Wouter;<br>Sweegers,<br>Norbert;<br>Steenbrugge<br>n, Geert; de<br>Wit, Mathijs;<br>Peters, Ralph<br>Hubert | Koninklijke Philips<br>N.V.   |
| US | 19-<br>Sep-<br>08 | 07-<br>May-<br>13 | 12/678532 | 84365<br>39 | Haacke,<br>Michael;<br>Lesch,<br>Norbert  | Koninklijke Philips<br>Electronics N.V.   |
| US | 25-<br>Sep-<br>08 | 25-<br>Mar-<br>14 | 12/682258 | 86805<br>47 | Schmidt,<br>Peter;<br>Schreinemac<br>her, Baby-<br>Seriyaati;   | Koninklijke Philips<br>Electronics N.V.   |

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REEL: 062816 FRAME: 0223



|    |                   |                   |           |             |  |   |
|----|-------------------|-------------------|-----------|-------------|--|---|
|    |                   |                   |           |             | Tuecks,<br>Andreas   |   |
| US | 15-<br>Jan-<br>10 | 19-<br>Jun-<br>12 | 12/688209 | 82031<br>53 | David,<br>Aurelien Jean<br>Francois;<br>KRAMES,<br>Michael R.;<br>McLaurin,<br>Melvin  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 15-<br>Jan-<br>10 | 31-<br>Jan-<br>12 | 12/688382 | 81058<br>52 | KRAMES,<br>Michael R.;<br>McLaurin,<br>Melvin; YI,<br>SUNGSOO;<br>Gardner,<br>Nathan F.  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 16-<br>Feb-<br>10 | 08-<br>Jul-<br>14 | 12/706149 | 87715<br>77 | Basin,<br>Grigoriy;<br>Martin, Paul<br>Scott   | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 25-<br>Mar-<br>10 | 27-<br>Nov-<br>12 | 12/731501 | 83192<br>47 | Bierhuizen,<br>Serge   | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 20-<br>Oct-<br>08 | 19-<br>Mar-<br>13 | 12/738312 | 83998<br>98 | Jagt, Henri;<br>Nicole, Celine   | Koninklijke Philips<br>Electronics N.V.   |
| US | 27-<br>Nov-<br>08 | 01-<br>Oct-<br>13 | 12/745701 | 85468<br>45 | Schmidt,<br>Peter; Mayr,<br>Walter;<br>Meyer, Joerg;<br>Kechele,<br>Juliane<br>Angelika;<br>Schnick,<br>Wolfgang;<br>Oeckler,<br>Oliver<br>Michael | Koninklijke Philips<br>Electronics N.V.   |
| US | 25-<br>Nov-<br>08 |                   | 12/745904 |             | Tuecks,<br>Andreas;<br>Schmidt,<br>Peter;<br>Bechtel,<br>Hans-Helmut   | Koninklijke Philips<br>N.V.   |
| US | 03-<br>Dec-<br>08 | 09-<br>Oct-<br>12 | 12/746773 | 82836<br>86 | Jagt, Henri;<br>Popovici,<br>Mihaela<br>Ioana;<br>Kleijnen,<br>Christian   | Koninklijke Philips<br>Electronics N.V.   |
| US | 05-<br>Dec-<br>08 | 25-<br>Jun-<br>13 | 12/746775 | 84712<br>81 | Jagt, Henri  | Koninklijke Philips<br>Electronics N.V.   |
| US | 10-<br>Dec-<br>08 | 03-<br>Jun-<br>14 | 12/747170 | 87439<br>21 | Yu, Joan   | Koninklijke Philips<br>Electronics N.V.   |

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|----|-------------------|-------------------|-----------|-------------|---|---|
| US | 12-<br>Dec-<br>08 | 17-<br>Sep-<br>13 | 12/747541 | 85366<br>00 | Verschuuren,<br>Marc; van<br>Sprang, Hans   | Koninklijke Philips<br>Electronics N.V.   |
| US | 15-<br>Dec-<br>08 | 14-<br>May-<br>13 | 12/747544 | 84410<br>26 | Meyer, Joerg;<br>Schmidt,<br>Peter;<br>Bechtel,<br>Hans-<br>Helmut;<br>Mayr, Walter;<br>Schreinemac<br>her, Baby-<br>Seriya ti;<br>Heidemann,<br>Matthias   | Koninklijke Philips<br>Electronics N.V.   |
| US | 23-<br>Apr-<br>10 | 02-<br>Aug-<br>11 | 12/766221 | 79898<br>24 | Neff, Jim;<br>ALDAZ,<br>Rafael  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 26-<br>Apr-<br>10 | 18-<br>Sep-<br>12 | 12/767513 | 82692<br>35 | Bierhuizen,<br>Serge  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 27-<br>Apr-<br>10 | 26-<br>Feb-<br>13 | 12/767845 | 83841<br>18 | Steigerwald,<br>Daniel<br>Alexander;<br>Holcomb,<br>Mari;<br>MARTIN, Paul<br>S.;<br>Schiaffino,<br>Stefano;<br>Basin,<br>Grigoriy;<br>Epler, John<br>Edward | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 29-<br>Apr-<br>10 | 10-<br>Apr-<br>12 | 12/770550 | 81540<br>42 | ALDAZ,<br>Rafael;<br>David,<br>Aurelien Jean<br>Francois  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 30-<br>Apr-<br>10 | 31-<br>Jul-<br>12 | 12/771809 | 82321<br>17 | Basin,<br>Grigoriy;<br>Martin, Paul<br>Scott  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 07-<br>May<br>-10 | 30-<br>Apr-<br>13 | 12/775593 | 84319<br>42 | Butterworth,<br>Mark  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 19-<br>May<br>-10 | 08-<br>Apr-<br>14 | 12/783197 | 86922<br>61 | Kim, Andrew;<br>Grillot,<br>Patrick   | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 19-<br>May<br>-10 | 17-<br>Sep-<br>13 | 12/783354 | 85360<br>22 | Kim, Andrew   | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke                                |

|    |           |           |           |         |  |   |
|----|-----------|-----------|-----------|---------|--|---|
|    |           |           |           |         |  | Philips Electronics N.V.  |
| US | 07-Jun-10 | 25-Jun-13 | 12/795272 | 8471282 | Diana, Frederic; Choy, Henry; Mo, Qingwei; Rudaz, Serge; Wei, Frank; Steigerwald, Daniel | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 09-Jan-09 | 20-May-14 | 12/811832 | 8728835 | Boerekamp, Jack; Steigelmann, Oliver; van Hal, henricus albertus maria; Cillessen, Hans  | Koninklijke Philips Electronics N.V.  |
| US | 06-Jul-10 |           | 12/830885 |         | Kim, James C.; YI, SUNGSOO; Gardner, Nathan F.; Krames, Michael R.; Romano, Linda        | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 03-Aug-10 | 02-Aug-11 | 12/849452 | 7991034 | Jansen, Mitch  | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 04-Aug-10 | 18-Oct-11 | 12/850213 | 8039866 | Craford, Magnus George; KRAMES, Michael R.   | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 18-Feb-09 | 24-Jul-12 | 12/867281 | 8226440 | Mouchon, Arnaud; De Montureux, Philippe; Pelsma, Jelle; Theelen, ANTONIUS NICOLAAS       | Koninklijke Philips Electronics N.V.  |
| US | 13-Feb-09 | 05-Jun-12 | 12/867890 | 8193891 | Gerhard, Markus; Saveliev, Anatoli   | Koninklijke Philips Electronics N.V.  |
| US | 05-Oct-10 | 19-Oct-11 | 12/897866 | 8053905 | Epler, John; KRAMES, Michael R.; Neff, Jim   | Koninklijke Philips Electronics N.V.  |
| US | 21-Oct-10 | 16-Jul-13 | 12/909004 | 8486761 | Bierhuizen, Serge  | Koninklijke Philips Electronics N.V.  |

|    |           |           |           |             |  |   |
|----|-----------|-----------|-----------|-------------|--|---|
| US | 24-Feb-09 | 20-Nov-12 | 12/918839 | 83133<br>48 | Mertens, Juergen; Deurwaarder, Vincent; Verburg, Piet; te Loo, Henk  | Koninklijke Philips Electronics N.V.  |
| US | 07-Apr-09 | 02-Apr-13 | 12/936541 | 84106<br>98 | Haacke, Michael; Hechtfisher, Ulrich   | Koninklijke Philips Electronics N.V.  |
| US | 09-Dec-10 | 18-Oct-11 | 12/963844 | 80389<br>05 | Meyer, Joerg; Schmidt, Peter; Mayr, Walter; Bausen, Hans.Dieter; Mueller-Mach, Regina B.; Mueller, Gerd O. | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 17-Dec-10 | 30-Jul-13 | 12/971605 | 84968<br>52 | de Graaf, Jan; Kop, Theo Arnold  | Koninklijke Philips N.V.  |
| US | 06-Jan-11 | 14-Feb-12 | 12/985394 | 81146<br>92 | Krames, Michael R.   | Philips LumiLeds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 16-Apr-09 |           | 12/988005 |             | Gerhard, Markus; Rottstädt, Olaf; Heitbreder, Volker   | Koninklijke Philips N.V.  |
| US | 20-Apr-09 | 19-Nov-13 | 12/988532 | 85852<br>61 | Schug, Josef   | Koninklijke Philips Electronics N.V.  |
| US | 20-Apr-09 | 09-Apr-13 | 12/988538 | 84158<br>68 | Gerhard, Markus; Schartmann, Herbert; Westemeyer, Manfred; Muckel, Ralf; Emunds, Wilfried                  | Koninklijke Philips Electronics N.V.  |
| US | 08-May-09 | 08-Jan-13 | 12/992098 | 83504<br>75 | Daub, Wolfgang; Eusterbrock, Michael; Kanne, Gideon  | Koninklijke Philips Electronics N.V.  |
| US | 24-Jun-09 | 25-Dec-12 | 12/999706 | 83388<br>46 | de Graaf, Jan; Peeters, Mart; Paulussen, Elvira; Benoy, Dany; van der Lubbe,                               | Koninklijke Philips Electronics N.V.  |

|    |                   |                   |           |             |   |   |
|----|-------------------|-------------------|-----------|-------------|---|---|
|    |                   |                   |           |             | Marcel;<br>Borel, Huub;<br>Sipkes, Mark   |   |
| US | 01-<br>Jul-<br>09 | 25-<br>Jun-<br>13 | 13/002084 | 84714<br>47 | Kuepper,<br>Lukas   | Koninklijke Philips<br>Electronics N.V.   |
| US | 08-<br>Jul-<br>09 | 02-<br>Oct-<br>12 | 13/003584 | 82788<br>25 | Michel,<br>Andre; Lind,<br>Adam;<br>Schoeller,<br>Klaus;<br>Dohmen,<br>Hans-Alo                               | Koninklijke Philips<br>Electronics N.V.   |
| US | 28-<br>Jan-<br>11 | 19-<br>Jun-<br>12 | 13/015789 | 82027<br>42 | Paolini,<br>Steve;<br>Camras,<br>Michael D.;<br>Chao, Oscar;<br>Steranka,<br>Frank<br>Michael;<br>Epler, John | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 10-<br>Oct-<br>11 | 13-<br>Sep-<br>13 | 13/045375 | 85308<br>83 | Sulairman,<br>Yohann;<br>MacKellar,<br>Richard;<br>York, Allan<br>Brent                                       | Koninklijke Philips<br>N.V.   |
| US | 17-<br>Aug-<br>09 | 04-<br>Sep-<br>12 | 13/059300 | 82569<br>41 | Hikmet,<br>Rifat; van<br>Bommel, Ties   | Koninklijke Philips<br>Electronics N.V.   |
| US | 31-<br>Aug-<br>09 | 04-<br>Jun-<br>13 | 13/060711 | 84542<br>16 | Willwohl,<br>Harald;<br>Schug, Josef;<br>Peters, Ralph<br>Hubert;<br>Kaandorp,<br>Wouter                      | Koninklijke Philips<br>Electronics N.V.   |
| US | 07-<br>Sep-<br>09 | 03-<br>Dec-<br>13 | 13/062274 | 85987<br>89 | Haacke,<br>Michael;<br>Muckel, Ralf;<br>Emunds,<br>Wilfried;<br>Westemeyer,<br>Manfred                        | Koninklijke Philips<br>Electronics N.V.   |
| US | 01-<br>Apr-<br>11 | 28-<br>May-<br>13 | 13/078036 | 84507<br>60 | Bhat,<br>Jerome;<br>Boles, Steven<br>T.   | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 12-<br>Apr-<br>11 |                   | 13/084679 |             | Jr, Jonathan;<br>Epler, John  | Koninklijke Philips<br>Electronics N.V.   |
| US | 17-<br>Mar-<br>08 | 25-<br>Sep-<br>12 | 13/115475 | 82735<br>87 | Basin,<br>Grigoriy;<br>Diana,<br>Frederic;  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke                                |



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|----|-------------------|-------------------|-----------|-------------|---|---|
|    |                   |                   |           |             | Martin, Paul<br>Scott;<br>Simonian,<br>Dmitri   | Philips Electronics<br>N.V.   |
| US | 28-<br>Aug-<br>09 |                   | 13/119270 |             | Haenen,<br>Ludo; Benter,<br>Nils;<br>Bloemen,<br>Pascal;<br>Meijers,<br>AUGUSTINUS<br>GREGORIUS<br>HENRICUS                               | Koninklijke Philips<br>N.V.   |
| US | 13-<br>Oct-<br>09 |                   | 13/124911 |             | Honma,<br>Shinichi;<br>Schug, Josef   | Koninklijke Philips<br>N.V.   |
| US | 03-<br>Nov-<br>09 |                   | 13/126256 |             | Saveliev,<br>Anatoli;<br>Probst, Sven   | Koninklijke Philips<br>N.V.   |
| US | 09-<br>Nov-<br>09 | 10-<br>Dec-<br>13 | 13/127742 | 86026<br>16 | Schoenfelder,<br>Bernd;<br>Westemeyer,<br>Manfred;<br>Schoeller,<br>Klaus;<br>Baeumges,<br>Kirsten;<br>Ruske,<br>Manfred;<br>Sell, Konrad | Koninklijke Philips<br>Electronics N.V.   |
| US | 11-<br>Nov-<br>09 | 08-<br>Apr-<br>14 | 13/130230 | 86904<br>06 | Drenten,<br>Ronald<br>Reindert;<br>Schug, Josef;<br>Valster, Ad   | Koninklijke Philips<br>Electronics N.V.   |
| US | 27-<br>Nov-<br>09 | 17-<br>Feb-<br>15 | 13/131384 | 89574<br>39 | Bechtel,<br>Hans-<br>Helmut;<br>Heidemann,<br>Matthias;<br>Schmidt,<br>Peter;<br>Diederich,<br>Thomas                                     | Koninklijke Philips<br>N.V.   |
| US | 22-<br>Dec-<br>09 | 01-<br>Jul-<br>14 | 13/142867 | 87642<br>59 | Schug, Josef  | Koninklijke Philips<br>Electronics N.V.   |
| US | 19-<br>Dec-<br>07 | 14-<br>Aug-<br>12 | 13/161541 | 82425<br>21 | WIERER,<br>Jonathan J.;<br>David,<br>Aurelien Jean<br>Francois;<br>Choy, Henry  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 17-<br>Feb-<br>10 | 28-<br>Apr-<br>15 | 13/202832 | 90188<br>38 | Schoeller,<br>Klaus   | Koninklijke Philips<br>Electronics N.V.   |
| US | 08-<br>Aug-<br>11 | 26-<br>Aug-<br>14 | 13/204750 | 88163<br>68 | Chung,<br>Theodore;<br>Munkholm,<br>Anneli  | Koninklijke Philips<br>N.V.   |

## BEN PATENTS

|    |                   |                   |           |             |  |   |
|----|-------------------|-------------------|-----------|-------------|--|---|
| US | 10-<br>Oct-<br>11 | 28-<br>May-<br>13 | 13/269669 | 84507<br>54 | KRAMES,<br>Michael R.;<br>Epler, John;<br>Steigerwald,<br>Daniel;<br>Margalith, Tai                        | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 21-<br>Jul-<br>09 | 04-<br>Sep-<br>12 | 13/288062 | 82579<br>89 | Epler, John  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 06-<br>Dec-<br>11 | 29-<br>May-<br>12 | 13/311606 | 81885<br>08 | Epler, John  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 08-<br>Sep-<br>10 | 08-<br>Apr-<br>14 | 13/314434 | 86924<br>65 | Gerhard,<br>Markus;<br>Mertens,<br>Juergen   | Koninklijke Philips<br>N.V.   |
| US | 17-<br>May<br>-10 | 13-<br>May-<br>14 | 13/320803 | 87210<br>98 | Bechtel,<br>Hans-<br>Helmut;<br>Heidemann,<br>Matthias;<br>Schmidt,<br>Peter                               | Koninklijke Philips<br>N.V.   |
| US | 12-<br>Jan-<br>12 | 09-<br>Apr-<br>13 | 13/348736 | 84156<br>56 | ALDAZ,<br>Rafael;<br>David,<br>Aurelien Jean<br>Francois   | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 27-<br>Jan-<br>12 | 22-<br>Jul-<br>14 | 13/359881 | 87863<br>12 | Baddela,<br>Srinivasa;<br>Aboulnga, Aly  | Koninklijke Philips<br>N.V.   |
| US | 27-<br>May<br>-10 | 08-<br>Apr-<br>14 | 13/375673 | 86903<br>95 | Fancsali,<br>Erno; Smits,<br>Wim;<br>Bloemen,<br>Pascal  | Koninklijke Philips<br>Electronics N.V.   |
| US | 09-<br>Aug-<br>10 | 20-<br>Jan-<br>15 | 13/384609 | 89369<br>97 | Jagt, Henri;<br>Kleijnen,<br>Christian;<br>Baken, Jannie   | Koninklijke Philips<br>Electronics N.V.   |
| US | 20-<br>Apr-<br>10 | 18-<br>Mar-<br>14 | 13/395448 | 86725<br>23 | Hikmet,<br>Rifat; van<br>Bommel,<br>Ties; Ni,<br>Yongfeng  | Koninklijke Philips<br>Electronics N.V.   |
| US | 29-<br>Mar-<br>12 | 17-<br>Sep-<br>13 | 13/433424 | 85366<br>08 | David,<br>Aurelien Jean<br>Francois;<br>ALDAZ,<br>Rafael;<br>Butterworth,<br>Mark;<br>Bierhuizen,<br>Serge | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |

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|----|-------------------|-------------------|-----------|-------------|---|---|
| US | 09-<br>Apr-<br>12 | 02-<br>Apr-<br>13 | 13/442117 | 84094<br>72 | Schmidt,<br>Peter; Mayr,<br>Walter;<br>Meyer, Joerg;<br>Schnick,<br>Wolfgang;<br>Hecht, Cora<br>Sieglinde;<br>Stadler,<br>Florian | Koninklijke Philips<br>Electronics N.V.   |
| US | 17-<br>Apr-<br>12 | 21-<br>Apr-<br>15 | 13/448453 | 90122<br>50 | YI,<br>SUNGSOO;<br>Gardner,<br>Nathan; Ye,<br>Qi  | Koninklijke Philips<br>Electronics N.V.   |
| US | 25-<br>Jun-<br>09 |                   | 13/448700 |             | Epler, John;<br>David,<br>Aurelien Jean<br>Francois   | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 30-<br>Apr-<br>12 | 18-<br>Dec-<br>12 | 13/459279 | 83345<br>43 | David,<br>Aurelien Jean<br>Francois;<br>KRAMES,<br>Michael R.;<br>McLaurin,<br>Melvin   | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 02-<br>May<br>-12 | 20-<br>Nov-<br>12 | 13/461874 | 83144<br>43 | Epler, John   | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 14-<br>May<br>-12 |                   | 13/470784 |             | Neff, Jim;<br>Epler, John;<br>Schiaffino,<br>Stefano  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 27-<br>Sep-<br>10 |                   | 13/500666 |             | Haacke,<br>Michael;<br>Dabringhause<br>n, Lars  | Koninklijke Philips<br>N.V.   |
| US | 10-<br>Dec-<br>10 |                   | 13/511159 |             | Meyer, Joerg;<br>Weiler,<br>Volker;<br>Schmidt,<br>Peter  | Koninklijke Philips<br>N.V.   |
| US | 10-<br>Dec-<br>10 |                   | 13/516301 |             | Muelders,<br>Barbara;<br>Feder, Reiner  | Koninklijke Philips<br>N.V.   |
| US | 19-<br>Jan-<br>11 | 20-<br>May-<br>14 | 13/522345 | 87298<br>02 | Gerhard,<br>Markus;<br>Dabringhause<br>n, Lars  | Koninklijke Philips<br>Electronics N.V.   |
| US | 24-<br>Feb-<br>11 |                   | 13/581757 |             | Schug, Josef  | Koninklijke Philips<br>N.V.   |
| US | 11-<br>May<br>-05 |                   | 13/626943 |             | van Veen,<br>Co; Biglari,<br>MOHAMMAD<br>HOSSAIN  | Koninklijke Philips<br>N.V.   |





## BEN PATENTS

|    |           |           |           |         |   |   |
|----|-----------|-----------|-----------|---------|---|---|
| US | 11-Mar-11 |           | 13/635483 |         | Sikkens, Marten; de Jong, Marcel; Booiij, Silvia; Creusen, Martin               | Koninklijke Philips N.V.  |
| US | 21-Mar-11 |           | 13/635798 |         | Schug, Josef; Spinger, Benno  | Koninklijke Philips N.V.  |
| US | 24-Mar-11 |           | 13/637909 |         | Koole, Rolf; Houtepen, Arjan Jeroen; Ronda, Cees                                | Koninklijke Philips N.V.  |
| US | 23-Mar-11 | 02-Dec-14 | 13/638142 | 8899782 | Sikkens, Marten; de Jong, Marcel; Creusen, Martin; Booiij, Silvia; Schug, Josef | Koninklijke Philips Electronics N.V.  |
| US | 12-Apr-11 |           | 13/641772 |         | Spinger, Benno; Benter, Nils; Schug, Josef                                      | Koninklijke Philips N.V.  |
| US | 21-Apr-11 |           | 13/642993 |         | Riederer, Xaver; Dabringhausen, Lars  | Koninklijke Philips N.V.  |
| US | 06-Nov-12 | 24-Mar-15 | 13/669506 | 8987771 | Bierhuizen, Serge   | Philips Lumileds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 26-Apr-11 | 29-Apr-14 | 13/695997 | 8710744 | Darsy, Francois; Peisma, Jelle; Zhang, Timothy; Ding, Chao                      | Koninklijke Philips Electronics N.V.  |
| US | 19-May-11 |           | 13/698853 |         | Kuepper, Lukas; Haacke, Michael; Schoeller, Klaus                               | Koninklijke Philips N.V.  |
| US | 18-May-11 | 16-Jun-15 | 13/699229 | 9058970 | Kuepper, Lukas; Haacke, Michael; Schoeller, Klaus                               | Koninklijke Philips Electronics N.V.  |
| US | 04-Jul-11 |           | 13/809014 |         | Peters, Ralph Hubert; Benter, Nils  | Koninklijke Philips N.V.  |
| US | 25-Jul-11 | 10-Mar-15 | 13/812587 | 8975658 | Lopez, Toni; ALDAZ, Rafael  | Koninklijke Philips Electronics N.V.  |



|    |           |           |           |         |   |                                      |
|----|-----------|-----------|-----------|---------|---|--------------------------------------|
| US | 24-Aug-11 |           | 13/818708 |         | Flechsigg, Juergen; Polster, Martin; Dohmen, Hans-Alo; Kecke, Ralph                       | Koninklijke Philips N.V.             |
| US | 02-Sep-11 | 17-Mar-15 | 13/821276 | 8981647 | Ding, Chao; HUANG, Frank; Darsy, Francois; Zhang, Timothy                                 | Koninklijke Philips Electronics N.V. |
| US | 23-Sep-11 |           | 13/824014 |         | Camras, Michael; Shchekin, Oleg; ALDAZ, Rafael; Grillot, Patrick; Steranka, Frank Michael | Koninklijke Philips Electronics N.V. |
| US | 26-Oct-11 |           | 13/877549 |         | Gardner, Nathan; McLaurin, Melvin; Grundmann, Michael; Goetz, Werner; Epler, John; Ye, Qi | Koninklijke Philips N.V.             |
| US | 10-Oct-11 | 16-Dec-14 | 13/877913 | 8912049 | Wei, Yajun  | Koninklijke Philips Electronics N.V. |
| US | 14-Nov-11 |           | 13/878432 |         | Mo, Qingwei; Vanderhaeghen, Dirk  | Koninklijke Philips Electronics N.V. |
| US | 07-Oct-11 | 26-May-15 | 13/878782 | 9040332 | Moran, Brendan; Kmetec, Jeffrey; Black, Iain; Diana, Frederic; Rudaz, Serge; Zhang, Li    | Koninklijke Philips Electronics N.V. |
| US | 07-Oct-11 |           | 13/878837 |         | Diana, Frederic; Wei, Yajun; Schiaffino, Stefano; Moran, Brendan                          | Koninklijke Philips N.V.             |
| US | 20-Oct-11 |           | 13/879639 |         | Basin, Grigoriy; Martin, Paul Scott   | Koninklijke Philips N.V.             |

## BEN PATENTS

|    |                   |                   |           |             |  |   |
|----|-------------------|-------------------|-----------|-------------|--|---|
| US | 20-<br>Oct-<br>11 | 03-<br>Mar-<br>15 | 13/879824 | 89698<br>90 | Balkenende,<br>Ruud;<br>Verschuuren,<br>Marc;<br>Immink,<br>W.G.G  | Koninklijke Philips<br>N.V.             |
| US | 01-<br>Nov-<br>11 |                   | 13/882511 |             | Gardner,<br>Nathan;<br>Epler, John;<br>McLaurin,<br>Melvin;<br>Camras,<br>Michael;<br>David,<br>Aurelien Jean<br>Francois;<br>Goetz,<br>Werner;<br>Grundmann,<br>Michael | Koninklijke Philips<br>N.V.             |
| US | 27-<br>Oct-<br>11 |                   | 13/882744 |             | Grundmann,<br>Michael;<br>Gardner,<br>Nathan;<br>Goetz,<br>Werner;<br>McLaurin,<br>Melvin; Epler,<br>John; Leon,<br>Francisco  | Koninklijke Philips<br>Electronics N.V. |
| US | 25-<br>Oct-<br>11 |                   | 13/882803 |             | Gardner,<br>Nathan;<br>Goetz,<br>Werner;<br>Grundmann,<br>Michael;<br>McLaurin,<br>Melvin; Epler,<br>John;<br>Camras,<br>Michael;<br>Steranka,<br>Frank Michael          | Koninklijke Philips<br>Electronics N.V. |
| US | 19-<br>Dec-<br>11 | 12-<br>May-<br>15 | 13/885774 | 90298<br>06 | Simonian,<br>Dmitri;<br>Fouksman,<br>Mikhail   | Koninklijke Philips<br>Electronics N.V. |
| US | 29-<br>May<br>-13 |                   | 13/904299 |             | Diana,<br>Frederic;<br>Choy, Henry;<br>Mo, Qingwei;<br>Rudaz,<br>Serge; Wei,<br>Frank;<br>Steigerwald,<br>Daniel   | Koninklijke Philips<br>Electronics N.V. |

|    |                   |                   |           |             |   |   |
|----|-------------------|-------------------|-----------|-------------|---|---|
| US | 14-<br>Jun-<br>13 | 05-<br>Aug-<br>14 | 13/917673 | 87969<br>16 | Meyer, Joerg;<br>Bechtel,<br>Hans-<br>Helmut;<br>Mayr, Walter;<br>Schmidt,<br>Peter;<br>Schreinemac<br>her, Baby-<br>Seriya<br>ti;<br>Wiechert,<br>Detlef                       | Koninklijke Philips<br>N.V.   |
| US | 21-<br>Oct-<br>10 | 19-<br>May-<br>15 | 13/930312 | 90353<br>27 | Bierhuizen,<br>Serge  | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 08-<br>Jul-<br>13 | 30-<br>Sep-<br>14 | 13/936850 | 88464<br>23 | Camras,<br>Michael D.;<br>Imler,<br>William R.;<br>Wall, Franklin<br>Joseph Jr.;<br>Steranka,<br>Frank M.;<br>Krames,<br>Michael R.;<br>Ticha,<br>Helena;<br>Tichy,<br>Ladislav | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 24-<br>Jan-<br>12 |                   | 13/976479 |             | Bechtel,<br>Hans-<br>Helmut;<br>Diederich,<br>Thomas;<br>Heidemann,<br>Matthias   | Koninklijke Philips<br>N.V.   |
| US | 28-<br>Nov-<br>11 |                   | 13/988852 |             | Schmidt,<br>Peter; Mayr,<br>Walter;<br>Schreinemac<br>her, Baby-<br>Seriya<br>ti;<br>Meyer, Joerg;<br>Bechtel,<br>Hans-Helmut   | Koninklijke Philips<br>N.V.   |
| US | 12-<br>Dec-<br>11 | 15-<br>Jul-<br>14 | 13/993086 | 87794<br>48 | Ronda, Cees;<br>Shchekin,<br>Oleg   | Koninklijke Philips<br>Electronics N.V.   |
| US | 29-<br>Dec-<br>11 | 09-<br>Dec-<br>14 | 13/993733 | 89073<br>64 | Bierhuizen,<br>Serge  | Koninklijke Philips<br>Electronics N.V.   |

|    |                   |                   |           |             |  |                             |
|----|-------------------|-------------------|-----------|-------------|--|-----------------------------|
| US | 16-<br>Jan-<br>12 |                   | 13/995998 |             | S.<br>Rahimzadeh-<br>Kalaleh<br>Rodriguez,<br>Said; Gomez<br>Rivas, Jaime;<br>Balkenende,<br>Ruud;<br>Verschuuren,<br>Marc; Lozano<br>Barbero,<br>Gabriel;<br>Murai,<br>Shunsuke | Koninklijke Philips<br>N.V. |
| US | 29-<br>Dec-<br>11 | 10-<br>Feb-<br>15 | 13/997673 | 89518<br>17 | Steigerwald,<br>Daniel   | Koninklijke Philips<br>N.V. |
| US | 28-<br>Feb-<br>12 |                   | 14/001878 |             | Lei, Jim;<br>Choy, Henry;<br>Wei, Yajun;<br>Schiaffino,<br>Stefano;<br>Steigerwald,<br>Daniel  | Koninklijke Philips<br>N.V. |
| US | 09-<br>Mar-<br>12 |                   | 14/002202 |             | Jagt, Henri;<br>Kleijnen,<br>Christian   | Koninklijke Philips<br>N.V. |
| US | 05-<br>Mar-<br>12 |                   | 14/002467 |             | Verschuren,<br>Coen; Jagt,<br>Henri;<br>Vdovin,<br>Alexander;<br>Kleijnen,<br>Christian;<br>Krijn, Marcel;<br>Dijken,<br>Durandus  | Koninklijke Philips<br>N.V. |
| US | 05-<br>Mar-<br>12 |                   | 14/003172 |             | Haacke,<br>Michael;<br>Dabringhause<br>n, Lars;<br>Riederer,<br>Xaver;<br>Huedepohl,<br>Heinz  | Koninklijke Philips<br>N.V. |
| US | 06-<br>Dec-<br>12 |                   | 14/007982 |             | Weller,<br>Volker;<br>Schmidt,<br>Peter;<br>Schnick,<br>Wolfgang;<br>Seibald,<br>Markus Armin  | Koninklijke Philips<br>N.V. |
| US | 13-<br>Sep-<br>13 | 20-<br>Jan-<br>15 | 14/026505 | RE453<br>42 | Haacke,<br>Michael;<br>Stroesser,<br>Martin  | Koninklijke Philips<br>N.V. |
| US | 09-<br>Oct-<br>13 | 04-<br>Nov-<br>14 | 14/049282 | 88781<br>60 | Dupont,<br>Frédéric<br>Georges   | Koninklijke Philips<br>N.V. |

|    |                   |  |           |   |   |
|----|-------------------|--|-----------|---|---|
|    |                   |  |           | Michel; Epler,<br>John  |   |
| US | 25-<br>Apr-<br>12 |  | 14/112279 | Lei, Jim; Wei,<br>Yajun; Nickel,<br>Alexander;<br>Schiaffino,<br>Stefano;<br>Steigerwald,<br>Daniel   | Koninklijke Philips<br>N.V.             |
| US | 19-<br>Apr-<br>12 |  | 14/113772 | Haacke,<br>Michael;<br>Prokesch,<br>Bernd   | Koninklijke Philips<br>N.V.             |
| US | 23-<br>Apr-<br>12 |  | 14/114239 | Haenen,<br>Ludo; Boolj,<br>Silvia;<br>Cooijmans,<br>Huib; Calon,<br>Georges   | Koninklijke Philips<br>N.V.             |
| US | 24-<br>Apr-<br>12 |  | 14/114244 | Haenen,<br>Ludo; Benter,<br>Nils; Pelsma,<br>Jelle  | Koninklijke Philips<br>N.V.             |
| US | 23-<br>Apr-<br>12 |  | 14/114250 | Haenen,<br>Ludo; Boolj,<br>Silvia;<br>Cooijmans,<br>Huib; Calon,<br>Georges   | Koninklijke Philips<br>N.V.             |
| US | 21-<br>May<br>-12 |  | 14/118564 | Steigerwald,<br>Daniel; Bhat,<br>Jerome;<br>Akram,<br>Salman  | Koninklijke Philips<br>N.V.             |
| US | 30-<br>May<br>-12 |  | 14/119621 | Schug, Josef  | Koninklijke Philips<br>N.V.             |
| US | 10-<br>Jul-<br>12 |  | 14/131207 | Zou, Quanbo;<br>Akram,<br>Salman;<br>Bhat, Jerome   | Koninklijke Philips<br>N.V.             |
| US | 30-<br>Jul-<br>12 |  | 14/131686 | Basin,<br>Grigoriy;<br>Epler, John;<br>Martin, Paul<br>Scott  | Koninklijke Philips<br>N.V.             |
| US | 20-<br>Dec-<br>13 |  | 14/136171 | Camras,<br>Michael D.;<br>Krames,<br>Michael R.;<br>Snyder,<br>Wayne L.;<br>Steranka,<br>Frank M.;<br>Taber, Robert<br>C.; Uebbing,<br>John Julian;<br>Pocius,<br>Douglas W.;<br>Trottier, Troy | Koninklijke Philips<br>Electronics N.V. |

PATENT

REEL: 062816 FRAME: 0237

|    |           |           |           |         |  |   |
|----|-----------|-----------|-----------|---------|--|---|
|    |           |           |           |         | A.; Lowery, Christopher H.; Mueller, Gerd O.; Mueller-Mach, Regina B.                                  |   |
| US | 12-Feb-14 | 03-Feb-15 | 14/178983 | 8945975 | Kim, Andrew; Grillot, Patrick  | Philips Lumileds Lighting Company LLC; Koninklijke Philips Electronics N.V. |
| US | 25-Mar-14 |           | 14/224120 |         | Bechtel, Hans-Helmut; Heidemann, Matthias; Schmidt, Peter  | Koninklijke Philips N.V.  |
| US | 23-Mar-12 |           | 14/232916 |         | Jagt, Henri; Verschuren, Coen; Vdovin, Alexander; Kleijnen, Christian; Krijn, Marcel; Dijken, Durandus | Koninklijke Philips N.V.  |
| US | 14-Aug-12 |           | 14/237448 |         | de Samber, Marc  | Koninklijke Philips N.V.  |
| US | 21-Aug-12 |           | 14/238477 |         | Bhat, Jerome; Steigerwald, Daniel; Camras, Michael; Choi, Han Ho; Gardner, Nathan; Shchekin, Oleg      | Koninklijke Philips N.V.  |
| US | 04-Jun-14 |           | 14/295370 |         | Basin, Grigoriy; Martin, Paul Scott  | Koninklijke Philips N.V.  |
| US | 01-Jul-14 | 05-May-15 | 14/320988 | 9024520 | Meyer, Joerg; Bechtel, Hans-Helmut; Mayr, Walter; Schmidt, Peter; Schreinemac                          | Koninklijke Philips N.V.  |

|    |           |  |           |  |                          |
|----|-----------|--|-----------|--|--------------------------|
|    |           |  |           | her, Baby-Seriyati; Wiechert, Detlef               |                          |
| US | 01-Oct-12 |  | 14/347252 | Rong, Yiwen; Neff, Jim; Tak Seng, Thang            | Koninklijke Philips N.V. |
| US | 14-Sep-12 |  | 14/348082 | Muelders, Barbara                                  | Koninklijke Philips N.V. |
| US | 19-Oct-12 |  | 14/351898 | Xu, Shu; Hikmet, Rifat                             | Koninklijke Philips N.V. |
| US | 05-Oct-12 |  | 14/352698 | de Samber, Marc; van Grunsven, Eric; Engelen, Roy  | Koninklijke Philips N.V. |
| US | 29-Oct-12 |  | 14/355619 | Epler, John  | Koninklijke Philips N.V. |
| US | 25-Oct-12 |  | 14/355846 | Roehrlich, Rafael; Spinger, Benno; Kraus, Albrecht | Koninklijke Philips N.V. |
| US | 26-Nov-12 |  | 14/360320 | Mertens, Juergen                                   | Koninklijke Philips N.V. |
| US | 15-Nov-12 |  | 14/360326 | Hechtfischer, Ulrich                               | Koninklijke Philips N.V. |
| US | 30-Nov-12 |  | 14/360965 | de Samber, Marc                                    | Koninklijke Philips N.V. |
| US | 04-Dec-12 |  | 14/362144 | Schiaffino, Stefano; Nickel, Alexander; Lei, Jim   | Koninklijke Philips N.V. |
| US | 05-Dec-12 |  | 14/362411 | Kuiper, Stein; Basin, Grigoriy                     | Koninklijke Philips N.V. |
| US | 03-Jan-13 |  | 14/363354 | Benedict, Mac; MARTIN, Paul S.; Kharas, Dave       | Koninklijke Philips N.V. |
| US | 03-Jan-13 |  | 14/366294 | Bierhuizen, Serge                                  | Koninklijke Philips N.V. |
| US | 25-Jan-13 |  | 14/373497 | Xu, Shu; Hikmet, Rifat                             | Koninklijke Philips N.V. |



|    |                   |                   |           |             |  |                             |
|----|-------------------|-------------------|-----------|-------------|--|-----------------------------|
| US | 29-<br>Jan-<br>13 |                   | 14/373707 |             | Martin, Paul<br>Scott; Hng,<br>Tiang Chuan;<br>Ishikawa,<br>Tomonari | Koninklijke Philips<br>N.V. |
| US | 15-<br>Jan-<br>13 |                   | 14/374549 |             | Bierhuizen,<br>Serge   | Koninklijke Philips<br>N.V. |
| US | 07-<br>Feb-<br>13 |                   | 14/375461 |             | Bierhuizen,<br>Serge   | Koninklijke Philips<br>N.V. |
| US | 13-<br>Feb-<br>13 |                   | 14/376451 |             | Weiler,<br>Volker;<br>Schmidt,<br>Peter                              | Koninklijke Philips<br>N.V. |
| US | 28-<br>Feb-<br>13 | 09-<br>Jun-<br>15 | 14/378113 | 90542<br>32 | Chung,<br>Theodore   | Koninklijke Philips<br>N.V. |
| US | 26-<br>Feb-<br>13 |                   | 14/383648 |             | Dross, Oliver  | Koninklijke Philips<br>N.V. |
| US | 18-<br>Mar-<br>13 |                   | 14/384173 |             | Singh,<br>Rajwinder;<br>Epler, John                                  | Koninklijke Philips<br>N.V. |
| US | 08-<br>Mar-<br>13 |                   | 14/384720 |             | Wei, Frank   | Koninklijke Philips<br>N.V. |
| US | 29-<br>Mar-<br>13 |                   | 14/385510 |             | Deeben,<br>Paul; van<br>Stijn, Patrick                               | Koninklijke Philips<br>N.V. |
| US | 20-<br>Mar-<br>13 |                   | 14/385594 |             | Basin,<br>Grigoriy;<br>Kuiper, Stein;<br>Martin, Paul<br>Scott       | Koninklijke Philips<br>N.V. |
| US | 22-<br>Mar-<br>13 |                   | 14/387591 |             | Lei, Jim;<br>Schiaffino,<br>Stefano;<br>Nickel,<br>Alexander         | Koninklijke Philips<br>N.V. |
| US | 27-<br>Mar-<br>13 |                   | 14/387868 |             | Bierhuizen,<br>Serge;<br>Cennini,<br>Giovanni                        | Koninklijke Philips<br>N.V. |
| US | 30-<br>Mar-<br>13 |                   | 14/388877 |             | Vampola,<br>Kenneth;<br>Choi, Han<br>Ho;<br>Butterworth,<br>Mark     | Koninklijke Philips<br>N.V. |
| US | 26-<br>Mar-<br>13 |                   | 14/388979 |             | Vampola,<br>Kenneth;<br>Choi, Han Ho                                 | Koninklijke Philips<br>N.V. |
| US | 29-<br>Mar-<br>13 |                   | 14/389780 |             | Wei, Frank   | Koninklijke Philips<br>N.V. |
| US | 03-<br>Apr-<br>13 |                   | 14/390422 |             | Hikmet,<br>Rifat; van<br>Bommel, Ties                                | Koninklijke Philips<br>N.V. |

|    |           |           |  |  |                          |
|----|-----------|-----------|--|--|--------------------------|
| US | 05-Apr-13 | 14/390862 |  | Wu, Songnan; Kharas, Dave  | Koninklijke Philips N.V. |
| US | 09-Apr-13 | 14/391737 |  | Hikmet, Rifat; van Bommel, Ties  | Koninklijke Philips N.V. |
| US | 09-Apr-13 | 14/396817 |  | Dabringhausen, Lars; Mertens, Juergen; Duschl, Anton   | Koninklijke Philips N.V. |
| US | 15-Apr-13 | 14/396878 |  | Dabringhausen, Lars; Mertens, Juergen; Duschl, Anton   | Koninklijke Philips N.V. |
| US | 12-Apr-13 | 14/397331 |  | Dabringhausen, Lars; Mertens, Juergen; Duschl, Anton   | Koninklijke Philips N.V. |
| US | 02-May-13 | 14/398764 |  | Bera, Debasis; Butterworth, Mark; Shchekin, Oleg   | Koninklijke Philips N.V. |
| US | 08-May-13 | 14/399323 |  | Lei, Jim; Nickel, Alexander; Schiaffino, Stefano; Basin, Grigoriy  | Koninklijke Philips N.V. |
| US | 09-May-13 | 14/401368 |  | Schmidt, Peter; Pust, Philipp Alexander Hubert; Thienel, Frauke Charlotte; Weiler, Volker; Hecht, Cora; Schmiechen, Sebastian Florian; Schnick, Wolfgang; Wiechert, Detlef | Koninklijke Philips N.V. |
| US | 07-May-13 | 14/402212 |  | Schug, Josef   | Koninklijke Philips N.V. |
| US | 22-May-13 | 14/402362 |  | Singh, Rajwinder; Epler, John  | Koninklijke Philips N.V. |

|    |           |           |  |  |                          |
|----|-----------|-----------|--|--|--------------------------|
| US | 03-Jun-13 | 14/405299 |  | Kuepper, Lukas;<br>Mirsadeghi, Mo;<br>Luettgens, Gunnar;<br>Elger, Gordon;<br>Rosier, Nadin; Tralli, Aldo                          | Koninklijke Philips N.V. |
| US | 04-Jun-13 | 14/405532 |  | Lei, Jim;<br>Schiaffino, Stefano;<br>Nickel, Alexander;<br>Ng, Mooi Guan; Basin, Grigoriy;<br>Akram, Sai                           | Koninklijke Philips N.V. |
| US | 28-Jun-13 | 14/409031 |  | Asadi, Kamal;<br>de Leeuw, Dago;<br>Cillessen, Hans; Keur, Wilco;<br>Verbakel, Frank;<br>Baesjou, Patrick;<br>Timmering, Eugene    | Koninklijke Philips N.V. |
| US | 24-Jun-13 | 14/411926 |  | Turcotte, Stephane   | Koninklijke Philips N.V. |
| US | 25-Jun-13 | 14/412026 |  | Butterworth, Mark;<br>Vampola, Kenneth   | Koninklijke Philips N.V. |
| US | 03-Jul-13 | 14/413233 |  | Grillot, Patrick;<br>Wildeson, Isaac;<br>Nshanian, Tigran; Deb, Parijat  | Koninklijke Philips N.V. |
| US | 10-Jul-13 | 14/413240 |  | de Laat, Ton;<br>Koole, Rolf;<br>Bohmer, Marcel  | Koninklijke Philips N.V. |
| US | 12-Jul-13 | 14/414719 |  | Schricker, April; Mai, Kevin K Mai;<br>Basin, Grigoriy;<br>Mackens, Uwe; Vogels, Joost;<br>Weijers, Gon;<br>Zijtveld, Karl Adriaan | Koninklijke Philips N.V. |

|    |           |           |  |   |
|----|-----------|-----------|--|---|
| US | 17-Jul-13 | 14/414918 | Elger, Gordon  | Koninklijke Philips N.V.                  |
| US | 16-Jul-13 | 14/416074 | Soong, Chee Weng; Martin, Paul Scott; Ishikawa, Tomonari   | Koninklijke Philips N.V.                  |
| US | 12-Jul-13 | 14/418094 | Soong, Chee Weng; Ishikawa, Tomonari; Tan, Su Ping; Goh, Chiou Bee   | Koninklijke Philips N.V.                  |
| US | 02-Aug-13 | 14/419539 | Schug, Josef   | Koninklijke Philips N.V.                  |
| US | 18-Jul-13 | 14/419579 | Xu, Shu; Ivan, Marius; Hikmet, Rifat; Breen, Craig Alan  | QD Vision, Inc.; Koninklijke Philips N.V. |
| US | 26-Jul-13 | 14/419583 | Schug, Josef   | KONINKLIJKE PHILIPS N.V.                  |
| US | 06-Aug-13 | 14/419951 | Bechtel, Hans-Helmut; Heidemann, Matthias  | Koninklijke Philips N.V.                  |
| US | 12-Aug-13 | 14/423162 | Zou, Quanbo; Akram, Sal; Bhat, Jerome; Trieu, Minh; Blank, Robert  | Koninklijke Philips N.V.                  |
| US | 05-Sep-13 | 14/427320 | Bhat, Jerome; Butterworth, Mark  | Koninklijke Philips N.V.                  |
| US | 12-Sep-13 | 14/430929 | Berezhnyy, Igor; Garcia Molina, Gary; Weffers-albu, Alina  | Koninklijke Philips N.V.                  |
| US | 25-Sep-13 | 14/432217 | Dijken, Durandus; Bruls, Dominique; Brees, Martin; Hikmet, Rifat; Jagt, Henri; Koopmans, Loes; Lunz, Manuela | Koninklijke Philips N.V.                  |
| US | 24-Sep-13 | 14/437318 | Bohmer, Marcel; Hikmet,  | Koninklijke Philips N.V.                  |

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REEL: 062816 FRAME: 0243

|    |                   |  |           |   |                             |
|----|-------------------|--|-----------|---|-----------------------------|
|    |                   |  |           | Rifat; Koole,<br>Rolf;<br>Baesjou,<br>Patrick   |                             |
| US | 23-<br>Oct-<br>13 |  | 14/438286 | Koole, Rolf;<br>Hikmet,<br>Rifat;<br>Baesjou,<br>Patrick;<br>Bohmer,<br>Marcel; Lub,<br>Johan   | Koninklijke Philips<br>N.V. |
| US | 23-<br>Oct-<br>13 |  | 14/439100 | Zhang, Hong   | Koninklijke Philips<br>N.V. |
| US | 22-<br>Oct-<br>13 |  | 14/439253 | Weiler,<br>Volker;<br>Schmidt,<br>Peter;<br>Bechtel,<br>Hans-Helmut   | Koninklijke Philips<br>N.V. |
| US | 25-<br>Oct-<br>13 |  | 14/439368 | Schricker,<br>April; Mai,<br>Kevin K Mai;<br>Basin,<br>Grigoriy   | Koninklijke Philips<br>N.V. |
| US | 25-<br>Oct-<br>13 |  | 14/440479 | Schricker,<br>April;<br>Bechtel,<br>Hans-<br>Helmut; Mai,<br>Kevin K Mai;<br>Diederich,<br>Thomas;<br>Vogels,<br>Joost;<br>Mackens,<br>Uwe;<br>Heidemann,<br>Matthias | KONINKLIJKE<br>PHILIPS N.V. |
| US | 17-<br>Oct-<br>14 |  | 14/516610 | Roitman,<br>Daniel;<br>Butterworth,<br>Mark;<br>Heidemann,<br>Matthias;<br>Bechtel,<br>Hans-<br>Helmut;<br>Chamberlin,<br>Danielle; Liu,<br>Joan                      | Koninklijke Philips<br>N.V. |
| US | 10-<br>Feb-<br>15 |  | 14/618406 | Bechtel,<br>Hans-<br>Helmut;<br>Heidemann,<br>Matthias;<br>Schmidt,<br>Peter;<br>Diederich,<br>Thomas   | Koninklijke Philips<br>N.V. |

BEN PATENTS

|    |           |           |  |                                      |
|----|-----------|-----------|--|--------------------------------------|
| US | 24-Feb-15 | 14/629581 | Balkenende, Ruud;<br>Verschuuren, Marc;<br>Immink, W.G.G   | Koninklijke Philips N.V.             |
| US | 29-Nov-13 | 14/649655 | Ivan, Marius   | Koninklijke Philips N.V.             |
| US | 17-Dec-13 | 14/653005 | Turcotte, Stephane;<br>Wu, Songnan   | Koninklijke Philips N.V.             |
| US | 16-Apr-15 | 14/688036 | Schoeller, Klaus   | KONINKLIJKE PHILIPS N.V.             |
| US | 29-Apr-15 | 14/699362 | Meyer, Joerg;<br>Bechtel, Hans-Helmut;<br>Mayr, Walter;<br>Schmidt, Peter;<br>Schreinemacher, Baby-Seriyati;<br>Wiechert, Detlef | KONINKLIJKE PHILIPS N.V.             |
| US | 05-May-15 | 14/704007 | Simonian, Dmitri;<br>Fouksman, Mikhail   | KONINKLIJKE PHILIPS N.V.             |
| US | 06-Oct-11 | 61/543851 | Rong, Yiwen;<br>Neff, Jim;<br>Tak Seng, Thang  | Koninklijke Philips Electronics N.V. |
| US | 19-Dec-12 | 61/739165 | Asadi, Kamal;<br>de Leeuw, Dago;<br>Cillessen, Hans; Keur, Wilco;<br>Verbakel, Frank;<br>Baesjou, Patrick;<br>Timmering, Eugene  | Koninklijke Philips Electronics N.V. |
| US | 08-Jan-13 | 61/749941 | Turcotte, Stephane;<br>Wu, Songnan   | Koninklijke Philips Electronics N.V. |
| US | 09-Jan-13 | 61/750410 | Butterworth, Mark;<br>Shchekin, Oleg   | Koninklijke Philips Electronics N.V. |
| US | 10-Jan-13 | 61/750914 | Butterworth, Mark  | Koninklijke Philips Electronics N.V. |
| US | 24-Jan-13 | 61/756107 | Choy, Henry  | Koninklijke Philips N.V.             |

|    |                   |           |  |   |
|----|-------------------|-----------|--|---|
| US | 25-<br>Jan-<br>13 | 61/756512 | Bancken,<br>Peter;<br>Fleskens, Bas  | Koninklijke Philips<br>Electronics N.V. |
| US | 11-<br>Feb-<br>13 | 61/763015 | Timmering,<br>Eugene;<br>Verschuuren,<br>Marc; Lopez,<br>Toni;<br>Balkenende,<br>Ruud  | Koninklijke Philips<br>Electronics N.V. |
| US | 11-<br>Feb-<br>13 | 61/763081 | Shimizu,<br>Ken; Moran,<br>Brendan;<br>Butterworth,<br>Mark;<br>Shchekin,<br>Oleg  | Koninklijke Philips<br>Electronics N.V. |
| US | 19-<br>Feb-<br>13 | 61/766286 | Lopez, Toni  | Koninklijke Philips<br>Electronics N.V. |
| US | 22-<br>Feb-<br>13 | 61/767877 | Bohmer,<br>Marcel;<br>Hikmet,<br>Rifat; Koole,<br>Rolf;<br>Baesjou,<br>Patrick   | Koninklijke Philips<br>N.V.             |
| US | 25-<br>Feb-<br>13 | 61/768613 | van Bommel,<br>Ties;<br>Schmidt,<br>Peter;<br>Peeters,<br>Mart; Wegh,<br>René; van<br>Dreumel,<br>Gerbe;<br>Hendriks,<br>Rene;<br>Hoelen,<br>Christoph | Koninklijke Philips<br>Electronics N.V. |
| US | 13-<br>Mar-<br>13 | 61/779023 | Daeschner,<br>Walter;<br>Diana,<br>Frederic;<br>Mala,<br>Mohiuddin;<br>Haque,<br>Shatil;<br>Butterworth,<br>Mark                                       | Koninklijke Philips<br>Electronics N.V. |
| US | 13-<br>Mar-<br>13 | 61/779410 | Epier, John  | Koninklijke Philips<br>Electronics N.V. |
| US | 15-<br>Mar-<br>13 | 61/798858 | Choy, Henry  | Koninklijke Philips<br>Electronics N.V. |

|    |           |           |  |  |   |
|----|-----------|-----------|--|--|---|
| US | 20-Mar-13 | 61/803563 |  | Koole, Rolf;<br>Bohmer,<br>Marcel;<br>Kriege, Koen;<br>Verhoeckx,<br>Fred;<br>Offermans,<br>Paul;<br>Baesjou,<br>Patrick; Keur,<br>Wilco;<br>Cillessen,<br>Hans;<br>Verstegen,<br>Emile; de<br>Laat, Ton | Koninklijke Philips<br>Electronics N.V. |
| US | 26-Mar-13 | 61/805207 |  | Dijken,<br>Durandus;<br>Lunz,<br>Manuela;<br>Jagt, Henri   | Koninklijke Philips<br>Electronics N.V. |
| US | 08-Apr-13 | 61/809451 |  | Basin,<br>Grigoriy;<br>Fouksman,<br>Mikhail  | Koninklijke Philips<br>Electronics N.V. |
| US | 23-Apr-13 | 61/814940 |  | Lopez, Toni;<br>Butterworth,<br>Mark;<br>Mihopoulos,<br>Theodoros  | Koninklijke Philips<br>Electronics N.V. |
| US | 14-May-13 | 61/822961 |  | Akram, Sai;<br>Bhardwaj,<br>Jyoti; Sillevi<br>Smitt,<br>Johannes<br>Willem<br>Herman   | Koninklijke Philips<br>Electronics N.V. |
| US | 15-May-13 | 61/823419 |  | Bhat,<br>Jerome;<br>Basin,<br>Grigoriy;<br>Vampola,<br>Kenneth   | Koninklijke Philips<br>Electronics N.V. |
| US | 15-May-13 | 61/823528 |  | Vampola,<br>Kenneth;<br>Bechtel,<br>Hans-Helmut  | Koninklijke Philips<br>Electronics N.V. |
| US | 20-May-13 | 61/825116 |  | Akram, Sai;<br>Bhardwaj,<br>Jyoti  | Koninklijke Philips<br>N.V.             |
| US | 05-Jun-13 | 61/831244 |  | Denis,<br>Gregoire   | Koninklijke Philips<br>Electronics N.V. |
| US | 06-Jun-13 | 61/831750 |  | Mahowald,<br>Peter   | Koninklijke Philips<br>N.V.             |
| US | 19-Jun-13 | 61/836775 |  | Lopez, Toni  | Koninklijke Philips<br>N.V.             |



## BEN PATENTS

|    |                   |           |  |   |                             |
|----|-------------------|-----------|--|---|-----------------------------|
| US | 24-<br>Jun-<br>13 | 61/838457 |  | Lei, Jim;<br>Schiaffino,<br>Stefano;<br>Nickel,<br>Alexander;<br>Ng, Mool<br>Guan;<br>Akram, Sai            | Koninklijke Philips<br>N.V. |
| US | 27-<br>Jun-<br>13 | 61/840032 |  | Wu,<br>Songnan;<br>Turcotte,<br>Stephane  | Koninklijke Philips<br>N.V. |
| US | 03-<br>Jul-<br>13 | 61/842431 |  | Akram, Sai;<br>Zou, Quanbo  | Koninklijke Philips<br>N.V. |
| US | 08-<br>Jul-<br>13 | 61/843466 |  | Schricker,<br>April;<br>Shchekin,<br>Oleg; Choi,<br>Han Ho;<br>Schmidt,<br>Peter                            | Koninklijke Philips<br>N.V. |
| US | 18-<br>Jul-<br>13 | 61/847603 |  | Lopez, Toni;<br>Choy, Henry   | Koninklijke Philips<br>N.V. |
| US | 18-<br>Jul-<br>13 | 61/847693 |  | Peddada, S.<br>Rao; Wei,<br>Frank   | Koninklijke Philips<br>N.V. |
| US | 19-<br>Jul-<br>13 | 61/856103 |  | Basin,<br>Grigoriy;<br>Haque,<br>Shatil;<br>Kageyama,<br>Hideo;<br>Moran,<br>Brendan;<br>Bhardwaj,<br>Jyoti | Koninklijke Philips<br>N.V. |
| US | 22-<br>Jul-<br>13 | 61/856786 |  | Yu, Joan; van<br>Leth, Niek;<br>Cennini,<br>Giovanni;<br>Vampola,<br>Kenneth;<br>Cornelissen,<br>Hugo       | Koninklijke Philips<br>N.V. |
| US | 22-<br>Jul-<br>13 | 61/856857 |  | Ilievski, Filip;<br>Sweegers,<br>Norbert;<br>Choy, Henry;<br>de Samber,<br>Marc                             | Koninklijke Philips<br>N.V. |
| US | 26-<br>Jul-<br>13 | 61/858658 |  | Lopez, Toni;<br>Vampola,<br>Kenneth   | Koninklijke Philips<br>N.V. |
| US | 20-<br>Aug-<br>13 | 61/867773 |  | Mazuir,<br>Clarisse; Mo,<br>Qingwei;<br>Kuo, Mei-<br>Ling; Li, Lin;   | Koninklijke Philips<br>N.V. |

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REEL: 062816 FRAME: 0248



|    |                   |  |           |  |   |
|----|-------------------|--|-----------|--|---|
|    |                   |  |           | Shchekin,<br>Oleg  |   |
| US | 13-<br>Sep-<br>13 |  | 61/877434 | Stockman,<br>Stephen; de<br>Samber,<br>Marc;<br>Shchekin,<br>Oleg;<br>Sweegers,<br>Norbert;<br>Haque,<br>Shatil;<br>Martynov,<br>Yourii                        | Koninklijke Philips<br>N.V.             |
| US | 09-<br>Oct-<br>13 |  | 61/888534 | Diana,<br>Frederic;<br>Subbanaraya<br>nan, Arun<br>Sundaram;<br>Wellman,<br>Ryan; Guth,<br>Gregory   | Koninklijke Philips<br>N.V.             |
| US | 29-<br>Oct-<br>13 |  | 61/896832 | Peddada, S.<br>Rao; Wei,<br>Frank  | Koninklijke Philips<br>N.V.             |
| US | 29-<br>Oct-<br>13 |  | 61/896836 | Peddada, S.<br>Rao; Wei,<br>Frank  | Koninklijke Philips<br>N.V.             |
| US | 29-<br>Oct-<br>13 |  | 61/896842 | Peddada, S.<br>Rao; Wei,<br>Frank;<br>Casaje, Eric;<br>Sharma,<br>Rajat  | Koninklijke Philips<br>N.V.             |
| US | 06-<br>Nov-<br>13 |  | 61/900466 | Moran,<br>Brendan; de<br>Samber,<br>Marc; Basin,<br>Grigoriy;<br>Sweegers,<br>Norbert;<br>Butterworth,<br>Mark;<br>Vampola,<br>Kenneth;<br>Mazuir,<br>Clarisse | Koninklijke Philips<br>Electronics N.V. |
| US | 18-<br>Dec-<br>13 |  | 61/917421 | Rong, Yiwon;<br>Diana,<br>Frederic;<br>Zhu, Ting;<br>Guth,<br>Gregory  | Koninklijke Philips<br>N.V.             |

## BEN PATENTS

|    |           |           |  |   |                          |
|----|-----------|-----------|--|---|--------------------------|
| US | 18-Dec-13 | 61/917540 |  | Diana, Frederic; Bournes, Patrick; Daeschner, Walter; Choi, Yong Seok; Mehnert, Axel; Mala, Mohiuddin | Koninklijke Philips N.V. |
| US | 19-Dec-13 | 61/917959 |  | Soer, Wouter; Jagt, Henri; Vdovin, Alexander  | Koninklijke Philips N.V. |
| US | 06-Jan-14 | 61/923908 |  | Lopez, Toni   | Koninklijke Philips N.V. |
| US | 06-Jan-14 | 61/923925 |  | Butterworth, Mark   | Koninklijke Philips N.V. |
| US | 07-Jan-14 | 61/924283 |  | Basin, Grigoriy; Martin, Paul; Choi, Han Ho   | Koninklijke Philips N.V. |
| US | 08-Jan-14 | 61/924740 |  | Butterworth, Mark   | Koninklijke Philips N.V. |
| US | 08-Jan-14 | 61/924761 |  | Moran, Brendan; Shchekin, Oleg; Basin, Grigoriy; Kmetec, Jeffrey                                      | Koninklijke Philips N.V. |
| US | 09-Jan-14 | 61/925328 |  | Schricker, April; Mai, Kevin K Mai; Moran, Brendan  | Koninklijke Philips N.V. |
| US | 10-Jan-14 | 61/925727 |  | Roitman, Daniel; Vampola, Kenneth   | Koninklijke Philips N.V. |
| US | 21-Jan-14 | 61/929530 |  | Soer, Wouter; Helbing, Rene; Huang, Guan  | Koninklijke Philips N.V. |
| US | 23-Jan-14 | 61/930586 |  | Daeschner, Walter; Fouksman, Mikhail; Mala, Mohiuddin; Haque, Shatil                                  | Koninklijke Philips N.V. |
| US | 29-Jan-14 | 61/932851 |  | Butterworth, Mark   | Koninklijke Philips N.V. |
| US | 04-Feb-14 | 61/935360 |  | Butterworth, Mark   | Koninklijke Philips N.V. |

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REEL: 062816 FRAME: 0250

|    |           |           |  |  |                          |
|----|-----------|-----------|--|--|--------------------------|
| US | 06-Feb-14 | 61/936360 |  | Stockman, Stephen; de Samber, Marc; Shchekin, Oleg; Sweegers, Norbert; Haque, Shatil; Martynov, Yourii | Koninklijke Philips N.V. |
| US | 06-Feb-14 | 61/936362 |  | Lopez, Toni  | Koninklijke Philips N.V. |
| US | 27-Feb-14 | 61/945170 |  | Schricker, April; Shchekin, Oleg; Vampola, Kenneth; Bechtel, Hans-Helmut; Salmaso, Guido               | Koninklijke Philips N.V. |
| US | 07-Apr-14 | 61/975966 |  | Kmetec, Jeffrey; Wall, Franklin  | Koninklijke Philips N.V. |
| US | 21-May-14 | 62/001091 |  | Leong, Chee Mun; Foong, Li Lian; Vincent Tiong, Kwong Ho; Law, Ruen Ching                              | Koninklijke Philips N.V. |
| US | 30-May-14 | 62/005003 |  | Lopez, Toni  | Koninklijke Philips N.V. |
| US | 17-Jun-14 | 62/013010 |  | Butterworth, Mark  | Koninklijke Philips N.V. |
| US | 19-Jun-14 | 62/014288 |  | Basin, Grigoriy; Moran, Brendan; Kageyama, Hideo   | Koninklijke Philips N.V. |
| US | 25-Jun-14 | 62/016708 |  | Basin, Grigoriy; Liu, Joan; Juan, Joseph; Balakrishnan, R B Syivaram; De Smet, Thierry                 | Koninklijke Philips N.V. |
| US | 11-Aug-14 | 62/035535 |  | Ng, Aik Hoe Sean; Loh, Cheng Hou   | Koninklijke Philips N.V. |

|    |           |           |   |                             |
|----|-----------|-----------|---|-----------------------------|
| US | 19-Aug-14 | 62/038988 | Nie, Dong;<br>Tee, Kian<br>Hock   | Koninklijke Philips<br>N.V. |
| US | 15-Sep-14 | 62/050481 | Lawrence,<br>Nate;<br>Shchekin,<br>Oleg;<br>Vampola,<br>Kenneth   | Koninklijke Philips<br>N.V. |
| US | 23-Sep-14 | 62/053951 | Diana,<br>Frederic;<br>Fancsali,<br>Erno; De<br>Smet,<br>Thierry;<br>Guth,<br>Gregory;<br>Martynov,<br>Yourii                     | Koninklijke Philips<br>N.V. |
| US | 30-Sep-14 | 62/057334 | Koole, Rolf;<br>Veldman,<br>Dirk;<br>Bohmer,<br>Marcel;<br>Shimizu,<br>Ken;<br>Koopmans,<br>Loes;<br>Timmering,<br>Eugene         | Koninklijke Philips<br>N.V. |
| US | 01-Oct-14 | 62/058162 | Shchekin,<br>Oleg; Choi,<br>Han Ho;<br>Vampola,<br>Kenneth; Jin,<br>Fahong  | Koninklijke Philips<br>N.V. |
| US | 06-Nov-14 | 62/076013 | Kharas, Dave  | Koninklijke Philips<br>N.V. |
| US | 08-Dec-14 | 62/088834 | Vampola,<br>Kenneth;<br>Crompvoets,<br>Floris   | Koninklijke Philips<br>N.V. |
| US | 30-Dec-14 | 62/097623 | Mehnert,<br>Axel;<br>Golubovic,<br>Dusan;<br>Donker,<br>Marc; Eggink,<br>Erik; van<br>Honschooten,<br>Rene;<br>Treurniet,<br>Theo | Koninklijke Philips<br>N.V. |
| US | 06-Jan-15 | 62/100194 | Mueller,<br>Gerd;<br>Mueller-<br>Mach,<br>Regina;<br>Schmidt,<br>Peter;   | Koninklijke Philips<br>N.V. |

|    |                   |  |                       |  |   |
|----|-------------------|--|-----------------------|--|---|
|    |                   |  |                       | Chamberlin,<br>Danielle;<br>Shchekin,<br>Oleg;<br>Bechtel,<br>Hans-Helmut  |   |
| US | 18-<br>Feb-<br>15 |  | 62/117497             | Bechtel,<br>Hans-<br>Helmut;<br>Nelson, Erik;<br>Schricker,<br>April   | Koninklijke Philips<br>N.V.   |
| US | 06-<br>Mar-<br>15 |  | 62/129282             | Schricker,<br>April;<br>Roitman,<br>Daniel; van<br>Leth, Niek  | Koninklijke Philips<br>N.V.   |
| US | 30-<br>Mar-<br>15 |  | 62/139820             | Lopez, Toni  | Koninklijke Philips<br>N.V.   |
| US | 15-<br>Apr-<br>15 |  | 62/147622             | Lopez, Toni  | Koninklijke Philips<br>N.V.   |
| US | 13-<br>May<br>-15 |  | 62/160814             | Nie, Dong;<br>Tee, Kian<br>Hock  | Koninklijke Philips<br>N.V.   |
| US | 01-<br>Jun-<br>15 |  | 62/169053             | Camras,<br>Michael   | Koninklijke Philips<br>N.V.   |
| US | 03-<br>Feb-<br>11 |  | IB2011/050472         | Basin,<br>Grigoriy;<br>Martin, Paul<br>Scott   | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 26-<br>Mar-<br>14 |  | PCT/EP2014/05<br>6007 | Dijken,<br>Durandus;<br>Lunz,<br>Manuela;<br>Jagt, Henri   | Koninklijke Philips<br>N.V.   |
| US | 03-<br>Sep-<br>14 |  | PCT/EP2014/06<br>8720 | Schoenfelder,<br>Bernd;<br>Dohlen,<br>Gerd-Peter;<br>Moeller,<br>Johannes  | Koninklijke Philips<br>N.V.   |
| US | 23-<br>Sep-<br>14 |  | PCT/EP2014/07<br>0184 | Tuecks,<br>Andreas;<br>Schreinemac<br>her, Baby-<br>Seriyaati;<br>Schmidt,<br>Peter;<br>Schmiechen,<br>Sebastian<br>Florian;<br>Schnick,<br>Wolfgang | Koninklijke Philips<br>N.V.; LUDWIG-<br>MAXIMILIANS-<br>UNIVERSITAET<br>MUENCHEN        |

## BEN PATENTS

|    |                   |  |                                    |  |   |   |
|----|-------------------|--|------------------------------------|--|---|---|
| US | 29-<br>Dec-<br>10 |  | PCT/IB2010/05<br>6112              |  | David,<br>Aurelien Jean<br>Francois;<br>KRAMES,<br>Michael R.;<br>McLaurin,<br>Melvin                       | Philips LumiLeds<br>Lighting Company<br>LLC; Koninklijke<br>Philips Electronics<br>N.V. |
| US | 02-<br>Jan-<br>14 |  | 14/761115<br>PCT/IB2014/05<br>8016 |  | Denis,<br>Gregoire  | Koninklijke Philips<br>N.V.   |
| US | 06-<br>Jan-<br>14 |  | 14/655863<br>PCT/IB2014/05<br>8077 |  | Butterworth,<br>Mark  | Koninklijke Philips<br>N.V.   |
| US | 15-<br>Jan-<br>14 |  | 14/762023<br>PCT/IB2014/05<br>8275 |  | Choy, Henry   | Koninklijke Philips<br>N.V.   |
| US | 16-<br>Jan-<br>14 |  | 14/762254<br>PCT/IB2014/05<br>8310 |  | Bancken,<br>Peter;<br>Fleskens, Bas   | Koninklijke Philips<br>N.V.   |
| US | 17-<br>Jul-<br>14 |  | PCT/IB2014/06<br>3169              |  | Basin,<br>Grigoriy;<br>Haque,<br>Shatil;<br>Kageyama,<br>Hideo;<br>Moran,<br>Brendan;<br>Bhardwaj,<br>Jyoti | Koninklijke Philips<br>N.V.   |