

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | | | |
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| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Guofu Zhou</td> <td>06/27/2012</td> </tr> <tr> <td>Johannes Adrianus Maria Rademakers</td> <td>09/18/2012</td> </tr> <tr> <td>Josephus Henricus Gerardus Bax</td> <td>06/26/2012</td> </tr> <tr> <td>Frank Anton Van Abeelen</td> <td>06/26/2012</td> </tr> <tr> <td>Petrus Antonius Henricus Snoeijen</td> <td>01/22/2013</td> </tr> <tr> <td>Liesbeth Van Pieteron</td> <td>08/12/2011</td> </tr> </tbody> </table> | | Name | Execution Date | Guofu Zhou | 06/27/2012 | Johannes Adrianus Maria Rademakers | 09/18/2012 | Josephus Henricus Gerardus Bax | 06/26/2012 | Frank Anton Van Abeelen | 06/26/2012 | Petrus Antonius Henricus Snoeijen | 01/22/2013 | Liesbeth Van Pieteron | 08/12/2011 |
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| RECEIVING PARTY DATA | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>Koninklijke Philips Electronics N.V.</td> </tr> <tr> <td>Street Address:</td> <td>High Tech Campus 5</td> </tr> <tr> <td>City:</td> <td>Eindhoven</td> </tr> <tr> <td>State/Country:</td> <td>NETHERLANDS</td> </tr> <tr> <td>Postal Code:</td> <td>5656 AE</td> </tr> </table> | | Name: | Koninklijke Philips Electronics N.V. | Street Address: | High Tech Campus 5 | City: | Eindhoven | State/Country: | NETHERLANDS | Postal Code: | 5656 AE | | | | |
| Name: | Koninklijke Philips Electronics N.V. | | | | | | | | | | | | | | |
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| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13822642</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13822642 | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | |
| Application Number: | 13822642 | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | |
| <p>Fax Number: 914-332-06 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 914-945-6000 Email: babbette.freeman@philips.com</p> <p>Correspondent Name: PHILIPS INTELLECTUAL PROPERTY & STANDARD Address Line 1: P.O. BOX 3001 Address Line 4: BRIARCLIFF MANOR, NEW YORK 10510</p> | | | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 2010P00785WOUS | | | | | | | | | | | | | | |
| NAME OF SUBMITTER: | Daniel J. Piotrowski | | | | | | | | | | | | | | |
| <p>Total Attachments: 3 source=2010P00785WOUS_ASSIGNMENT#page1.tif source=2010P00785WOUS_ASSIGNMENT#page2.tif source=2010P00785WOUS_ASSIGNMENT#page3.tif</p> | | | | | | | | | | | | | | | |

CH \$40.00 13822642

For good and valuable consideration, of which I/we acknowledge receipt, I/we as a below-named Assignor(s), hereby sell, and assign, and transfer the entire and exclusive right, title, and interest in the following to Koninklijke Philips Electronics N.V., having a place of business at Groenewoudseweg 1, 5621 BA Eindhoven, the Netherlands, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee") my/our invention for which an application:

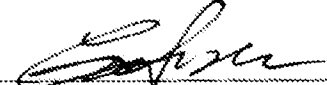
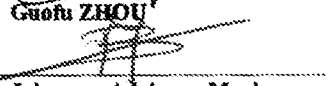
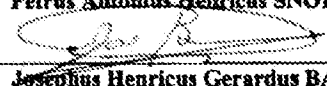
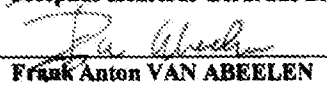
- ☐ is executed concurrently herewith
☐ was executed by me/us on _____
☐ was filed on _____, having a Serial No. _____
☒ was filed on. 2011-Sep-06, having an International Application No. PCT/IB2011/053890,

and all rights in and to said application, and all other United States, foreign and international patent applications associated therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, non-provisionals divisions, continuations, continuations-in-part, re-examinations, reissues, and extensions thereof, and the right to claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these applications.

I/We authorize and request that the Patent Office officials in the United States and in any and all foreign countries to issue any and all Letters Patent when granted, solely to the Assignee(s), for its sole use, and that of its successors, assigns, and legal representatives.

I/We will provide my/our cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I/we agree to execute all papers, take all rightful oaths, testify in all legal proceedings including patent prosecution actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee.

I/We certify that I/we have the full right to convey the above rights.

| | | | |
|-------------|-------------------|---|-----------------|
| 27 JUN 2012 | (sign name here) |  | _____, Assignor |
| Date | (print name here) | Guofu ZHOU | _____ |
| 18 SEP 2012 | (print name here) |  | _____ |
| Date | (print name here) | Johannes Adrianus Maria RADEMAKERS | _____ |
| _____ | (print name here) | Petrus Antonius Henricus SNOELJEN | _____ |
| 26 JUN 2012 | (print name here) |  | _____ |
| Date | (print name here) | Josephus Henricus Gerardus BAX | _____ |
| 26 JUN 2012 | (print name here) |  | _____ |
| Date | (print name here) | Frank Anton VAN ABELEN | _____ |
| _____ | (print name here) | Liesbeth VAN PIETERSON | _____ |
| Date | (print name here) | Liesbeth VAN PIETERSON | _____ |

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- ☐ is executed concurrently herewith
☐ was executed by me/us on
☐ was filed on , having a Serial No.
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and all rights in and to said application, and all other United States, foreign and international patent applications associated therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, non-provisionals divisions, continuations, continuations-in-part, re-examinations, reissues, and extensions thereof, and the right to claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these applications.

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| Date | (print name here) | Petrus Antonius Henricus SNOEIEN | |
| Date | (print name here) | Josephus Henricus Gerardus BAX |  1-22-13 |
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| _____ | (print name here) | Frank Anton VAN ABEELLEN | _____ |
| 8-12-2011 | (print name here) | Liesbeth VAN PIETERSON |  |
| Date | (print name here) | | |