## PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE:      | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

#### **CONVEYING PARTY DATA**

| Name                             | Execution Date |
|----------------------------------|----------------|
| Marcel Franz Christian SCHEMMANN | 07/12/2009     |
| Armand PRUIJMBOOM                | 07/10/2009     |
| Silvia Maria BOOIJ               | 07/16/2009     |
| Klaus Peter WERNER               | 07/09/2009     |

### **RECEIVING PARTY DATA**

| Name:           | Koninklijke Philips Electronics N V |  |
|-----------------|-------------------------------------|--|
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| City:           | Eindhoven                           |  |
| State/Country:  | NETHERLANDS                         |  |
| Postal Code:    | 5621 BA                             |  |

## PROPERTY NUMBERS Total: 1

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 12665124 |

### **CORRESPONDENCE DATA**

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| ATTORNEY DOCKET NUMBER: | 008652 US1      |
|-------------------------|-----------------|
| NAME OF SUBMITTER:      | JEANNE RUSCIANO |

Total Attachments: 4

PATENT REEL: 023669 FRAME: 0271 540.00 126651

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For good and valuable consideration, of which I/we acknowledge receipt, I/we, as a below-named Assignor(s),

| •                        |                              | clusive right, title, and interest in the follow | -                         |
|--------------------------|------------------------------|--|---------------------------|
| -                        | = ·                          | ess at Groenewoudseweg 1, 5621 BA Eindh          |                           |
| _                        | - ·                          | cluding any nominees (collectively "the Assi     | gnee") my/our             |
| invention for which an   | application:                 |  |                           |
| is executed concurr      | ently herewith               |  |                           |
|                          | e/us on                      |  |                           |
|                          |                              | erial No   |                           |
|                          |                              | national Application No. PCT/IB2008/052          |                           |
| and all rights in and to | said application, and all o  | ther United States, foreign and international    | patent applications       |
| associated therewith, b  | ased thereon, or claiming    | priority therefrom including, but not limited    | to, any and all           |
| provisionals, non-provi  | isionals divisions, continu  | ations, continuations-in-part, reexaminations    | s, reissues, and          |
| extensions thereof, and  | the right to claim priority  | thereto, and the entire and exclusive right, t   | itle, and interest in and |
| to any and all patents g | ranted on these applicatio   | ns.  |                           |
| I/We authorize and req   | uest that the Patent Office  | officials in the United States and in any and    | l all foreign countries   |
| to issues any and all Le | etters Patent when granted   | , solely to Koninklijke Philips Electronics N    | .V., for its sole use,    |
| and that of its successo | rs, assigns, and legal repre | esentatives.                                     |                           |
| I/We will provide my/c   | our cooperation to enable t  | the Assignee to enjoy the foregoing right, tit   | le, and interest to the   |
|                          | **                           | e Assignee, I/we agree to execute all papers,    |                           |
|                          |                              | rosecutional actions and infringement action     |                           |
|                          |                              | convenient for securing and maintaining pate     |                           |
| -                        | ing title thereto in the Ass |  |                           |
| Y/777                    | 1 6 11 1 1                   |  |                           |
| I/We certify that I/we h | ave the full right to conve  | by the above rights.                             |                           |
| 7 . 1                    | <i>(</i> 1 )                 |  |                           |
| Sely 12,2004             | (sign name here)             | 1 PP   | , Assignor                |
| Date '                   | (print name here)            | Marcel Franz Christian                           |                           |
|                          |                              | SCHEMMANN  |                           |
|                          | (sign name here)             |  | , Assignor                |
| Date                     | (print name here)            | Armand PRUIJMBOOM                                |                           |
|                          |                              |  |                           |
|                          | (sign name here)             |  | , Assignor                |
| Date                     | (print name here)            | Silvia Maria BOOIJ                               | -                         |
|                          |                              |  |                           |
|                          | (sign name here)             |  | . Assignor                |

For good and valuable consideration, of which I/we acknowledge receipt, I/we, as a below-named Assignor(s), hereby sell, assign, and transfer the entire and exclusive right, title, and interest in the following to Koninklijke

|   | egal representatives, i  | siness at Groenewoudseweg 1, 5621 BA Eindhoineluding any nominees (collectively "the Assi   | • •   |
|---|--|---|---|
| was filed on  | s on, having a   | Serial Noernational Application No. PCT/IB2008/0524   |   |
| associated therewith, base provisionals, non-provisionals | ed thereon, or claimin<br>onals divisions, contir<br>e right to claim priori | other United States, foreign and international ag priority therefrom including, but not limited nuations, continuations-in-part, reexaminations ity thereto, and the entire and exclusive right, thins.       | to, any and all<br>, reissues, and              |
|   | ers Patent when grante   | ce officials in the United States and in any and<br>ed, solely to Koninklijke Philips Electronics N.<br>presentatives.  | <del>-</del>                                    |
| fullest extent. Upon requetestify in all legal proceed    | est at the expense of t<br>lings including patent<br>ecessary, desirable, o  | the Assignee to enjoy the foregoing right, title the Assignee, I/we agree to execute all papers, the prosecutional actions and infringement action or convenient for securing and maintaining pates assignee. | take all rightful oaths,<br>s, and do all other |
| I/We certify that I/we hav                                | e the full right to con  | vey the above rights.   |   |
| Date  | (sign name here) (print name here)   | Marcel Franz Christian  | , Assignor                                      |
| <u>July 10, 2009</u>                                      | (sign name here) (print name here)   | SCHEMMANN  Armand PRUIJMBOOM  | , Assignor                                      |
| Date  | (sign name here)   | Silvia Maria BOOIJ  | , Assignor                                      |
|   | (sion name here)   |   | Assignor  |

For good and valuable consideration, of which I/we acknowledge receipt, I/we, as a below-named Assignor(s),

| hereby sell, assign, and | d transfer the entire and ex  | clusive right, title, and interest in the follo | owing to Koninklijke        |
|--------------------------|-------------------------------|---|-----------------------------|
|                          |                               | ess at Groenewoudseweg 1, 5621 BA Eir           |                             |
|                          |                               | cluding any nominees (collectively "the A       |                             |
| invention for which an   |                               |   | <i>C</i> , ,                |
|                          |                               |   |                             |
| is executed concurr      | -                             |   |                             |
| -                        | e/us on                       |   |                             |
|                          |                               | erial No  |                             |
| was filed on June 2      | 23, 2008, having an Intern    | national Application No. PCT/IB2008/0           | 52480                       |
| and all rights in and to | said application, and all of  | ther United States, foreign and internation     | nal patent applications     |
|                          |                               | priority therefrom including, but not limit     |                             |
|                          |                               | ations, continuations-in-part, reexaminati      | • •                         |
|                          |                               | thereto, and the entire and exclusive righ      |                             |
| to any and all patents g | granted on these application  | ns.   |                             |
| I/We outhorize and roa   | west that the Detent Office   | officials in the United States and in any       |                             |
|                          |                               | , solely to Koninklijke Philips Electronics     | O                           |
|                          | ers, assigns, and legal repre | <del>-</del>                                    | s in. v., for its sole use, |
| and that Of its saccesso | ns, assigns, and legal tepte  | Schauves.                                       |                             |
| I/We will provide my/o   | our cooperation to enable t   | he Assignee to enjoy the foregoing right,       | title, and interest to the  |
|                          |                               | Assignee, I/we agree to execute all pape        |                             |
|                          |                               | rosecutional actions and infringement act       | =                           |
|                          |                               | convenient for securing and maintaining p       |                             |
| invention or for perfect | ting title thereto in the Ass | ignee.  |                             |
| T/77                     |                               |   |                             |
| I/We certify that I/we f | nave the full right to conve  | y the above rights.                             |                             |
|                          | (sign name here)              |   | , Assignor                  |
| Date                     | (print name here)             | Marcel Franz Christian                          |                             |
|                          |                               | SCHEMMANN                                       |                             |
|                          | (sign name here)              |   | , Assignor                  |
| Date                     | (print name here)             | Armand PRUIJMBOOM                               | , Assignor                  |
| Date                     | (print name nere)             | Almand FRODINDOOM                               |                             |
| . <b>\</b>               |                               |   |                             |
| July 16th 2009           | (sign name here)              | Solvia Booy.                                    | , Assignor                  |
| Date                     | (print name here)             | Silvia Maria BOOIJ                              |                             |
|                          |                               |   |                             |
|                          | (sign name here)              |   | , Assignor                  |

For good and valuable consideration, of which I/we acknowledge receipt, I/we, as a below-named Assignor(s), hereby sell, assign, and transfer the entire and exclusive right, title, and interest in the following to Koninklijke

| -                           | - <del>-</del>                | ess at Groenewoudseweg 1, 5621 BA Eindho<br>luding any nominees (collectively "the Assig  |                          |
|-----------------------------|-------------------------------|---|--------------------------|
| invention for which an ap   |                               | training any nominates (consent very the 11551)   | since y my, our          |
| is executed concurren       | atly herewith                 |   |                          |
| was executed by me/ι        | as on                         |   |                          |
| was filed on                | , having a Ser                | rial No   |                          |
| was filed on June 23        | , 2008, having an Interna     | ational Application No. PCT/IB2008/0524   | 180                      |
| and all rights in and to sa | id application, and all ot    | her United States, foreign and international p  | patent applications      |
| associated therewith, bas   | ed thereon, or claiming p     | priority therefrom including, but not limited t   | to, any and all          |
| provisionals, non-provisi   | onals divisions, continua     | tions, continuations-in-part, reexaminations,   | , reissues, and          |
| extensions thereof, and th  | ne right to claim priority    | thereto, and the entire and exclusive right, ti   | tle, and interest in and |
| to any and all patents gra  | nted on these application     | as.   |                          |
| I/We authorize and reque    | est that the Patent Office    | officials in the United States and in any and   | all foreign countries    |
| to issues any and all Lette | ers Patent when granted,      | solely to Koninklijke Philips Electronics N.  | V., for its sole use,    |
| and that of its successors  | , assigns, and legal repres   | sentatives.   |                          |
| I/Wa will provide my/ey     | r accordation to anoble th    | he Assignee to enjoy the foregoing right, title   | e and interest to the    |
| •                           | •                             | Assignee to enjoy the foregoing right, that Assignee, I/we agree to execute all papers, 1 |                          |
| · · ·                       | · ·                           | rosecutional actions and infringement actions   |                          |
|                             |                               | onvenient for securing and maintaining pate   |                          |
| invention or for perfecting | <del>-</del> '                |   | nts on the fologoing     |
| invention of for perfection | ig title increte in the riss. | ignee.  |                          |
| I/We certify that I/we ha   | ve the full right to conve    | y the above rights.   |                          |
|                             | (sign name here)              |   | , Assignor               |
| Date                        | (print name here)             | Marcel Franz Christian  |                          |
|                             |                               | SCHEMMANN   |                          |
|                             | (sign name here)              |   | , Assignor               |
| Date                        | (print name here)             | Armand PRUIJMBOOM   |                          |
|                             | ,                             |   |                          |
|                             | (sign name here)              |   | , Assignor               |
| Date                        | (print name here)             | Silvia Maria BOOIJ  |                          |
|                             | (print name item)             | SILVIU IVIUIU DOOM  |                          |
| 1.000000                    | (ai am m 1)                   | 11000   | Aggiones                 |
| July 3, 2003                | (sign name here)              | VI. D. A. WEDNED  | , Assignor               |
| † Date                      | (print name here)             | Klaus Peter WERNER  |                          |

**RECORDED: 12/17/2009**