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

| Name | Execution Date |
|----------------|----------------|
| Markus GERHARD | 08/25/2008 |
| Mathijs DE WIT | 11/25/2008 |

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: | 12530542 |

CORRESPONDENCE DATA

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NAME OF SUBMITTER: JEANNE RUSCIANO

Total Attachments: 2

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PATENT REEL: 023211 FRAME: 0047 12530542

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| For good and valuable | consideration, of which I/ | we acknowledge receipt, I/we, as a below-n | amed Assignor(s), |
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| | | clusive right, title, and interest in the follow | |
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| was filed on | , having a Sc | rial No. | els. |
| was filed on Marc | h 7, 2008, having an Inter | national Application No. PCT/IB2008/05 | 0839 |
| and all rights in and to | said application, and all o | ther United States, foreign and international | patent applications |
| | 7. 17 | priority therefrom including, but not limited | · · · |
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| | | officials in the United States and in any an | |
| · · · · · · · · · · · · · · · · · · · | | , solely to Koninklijke Philips Electronics N | i.V., for its sole use, |
| and that of its success | ore, assigns, and legal repri | escontatives. | |
| I/We will provide my | our cooperation to enable t | he Assignee to enjoy the foregoing right, the | ile, and interest to the |
| fullest extent. Upon r | equest at the expense of the | Assignee, I/we agree to execute all papers | , take all rightful oaths, |
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| | | convenient for securing and maintaining pat | |
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| <u> </u> | (sign name here) | | , Assignor |
| Date | (print name here) | Markus GRR#ARD | |
| | | | |
| | (sign name here) | | , Assignor |
| Date | (print name here) | Mothic III WIT | ···· |

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 exc | clusive right, title, and interest in the f | ollowing to Koninklijke |
|-------------------------|---------------------------------|--|-----------------------------------|
| Philips Electronics I | N.V., having a place of busine | ess at Groenewoodseweg 1,5621 BA | Eindhoven, NL, its |
| successors, assigns, | and legal representatives, inc | luding any nominees (collectively "th | e Assignee") my/our |
| invention for which | an application: | | |
| is executed conc | urrently herewith | | |
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| was filed on | having a Se | rial No. | - Sandardardardari |
| was filed on Ma | rch 7, 2008, having an Inter | national Application No. PCT/IB200 | 08/050839 |
| and all rights in and | to said application, and all of | her United States, foreign and interna | tional patent applications |
| associated therewith | , based thereon, or claiming ; | priority therefrom including, but not li | mited to, any and all |
| provisionals, non-pr | ovisionals divisions, continua | itions, continuations-in-part, reexamit | ations, reissues, and |
| extensions thereof, a | and the right to claim priority | thereto, and the entire and exclusive a | right, title, and interest in and |
| to any and all patent | s granted on these application | 18. | |
| I/We authorize and | request that the Patent Office | officials in the United States and in st | ny and all foreign countries |
| to issues any and all | Letters Patent when granted, | solely to Koninklijke Philips Electron | nies N.V., for its sole use, |
| and that of its succe | ssors, assigns, and legal repre | sentatives. | |
| I/We will provide m | y/our cooperation to enable t | he Assignee to enjoy the foregoing rig | tht, title, and interest to the |
| fullest extent. Upon | request at the expense of the | Assignee, I/we agree to execute all p | apers, take all rightful oaths, |
| testify in all legal pr | oceedings including patent pr | osecutional actions and infringement | actions, and do all other |
| such acts which may | be necessary, desirable, or c | onvenient for securing and maintaining | ig patents on the foregoing |
| invention or for perf | ecting title thereto in the Ass | ignee. | |
| I/We certify that I/w | re have the full right to conve | y the above rights. | |
| | (sign name here) | | , Assignor |
| Date | (print name here) | Merkus GERHARD | |
| | | | <u>Carrieron</u> |
| 25-11-2008 | (sign name here) | | , Assignor |
| Date | (print name here) | Mathijs DE WIT | |
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RECORDED: 09/10/2009

PATENT REEL: 023211 FRAME: 0049