

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hong ZHAI</td> <td>09/10/2009</td> </tr> <tr> <td>Chun-Ting CHOU</td> <td>07/24/2009</td> </tr> <tr> <td>Richard CHEN</td> <td>09/28/2009</td> </tr> </tbody> </table>		Name	Execution Date	Hong ZHAI	09/10/2009	Chun-Ting CHOU	07/24/2009	Richard CHEN	09/28/2009		
Name	Execution Date										
Hong ZHAI	09/10/2009										
Chun-Ting CHOU	07/24/2009										
Richard CHEN	09/28/2009										
RECEIVING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>KONINKLIJKE PHILIPS ELECTRONICS N.V.</td> </tr> <tr> <td>Street Address:</td> <td>GROENEWOUDSEWEG 1</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>5621 BA</td> </tr> </table>		Name:	KONINKLIJKE PHILIPS ELECTRONICS N.V.	Street Address:	GROENEWOUDSEWEG 1	City:	EINDHOVEN	State/Country:	NETHERLANDS	Postal Code:	5621 BA
Name:	KONINKLIJKE PHILIPS ELECTRONICS N.V.										
Street Address:	GROENEWOUDSEWEG 1										
City:	EINDHOVEN										
State/Country:	NETHERLANDS										
Postal Code:	5621 BA										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12522955</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12522955						
Property Type	Number										
Application Number:	12522955										
CORRESPONDENCE DATA											
Fax Number: (914)332-0615 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 914-332-0222 Email: noemi.chapa@philips.com Correspondent Name: PHILIPS INTELLECTUAL PROPERTY & STANDARD Address Line 1: P.O. BOX 3001 Address Line 4: BRIARCLIFF MANOR, NEW YORK 10510											
ATTORNEY DOCKET NUMBER:	007837US3										
NAME OF SUBMITTER:	Noemi Chapa										
Total Attachments: 1 source=007837US3_Executed_Assignment_#page1.tif											

CH \$40.00 12522955

501054032

PATENT
 REEL: 023717 FRAME: 0564

SOLE/JOINT ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, 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 Philips Electronics N.V.**, having a place of business at Groenewoudseweg 1, 5621 BA Eindhoven, NL, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee"):

- (1) my/our invention relating to MULTI-CHANNEL DIRECTIONAL DEVICES WITH BEACONS for which

[] a U.S. provisional application for patent will be filed in the United States Patent and Trademark Office,

[X] a U.S. provisional patent application was filed in the United States Patent and Trademark Office on January 16, 2007 having a Serial Number 60/885,184,

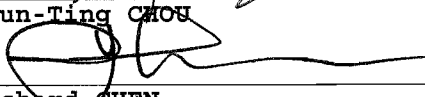
(2) the foregoing application and all other United States, foreign and international patent applications associated therewith, based thereon, or claiming priority therefrom including, but not limited to, any and all provisionals, non-provisionals divisions, continuations, continuations-in-part, reexaminations, reissues, and extensions thereof, and

(3) 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 issues any and all Letters Patent when granted, solely to **Koninklijke Philips Electronics N.V.**, 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 prosecutorial 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.

<u>09/10/2009</u> Date	<u></u> Hong ZHAI, Assignor
<u>09/24/09</u> Date	<u></u> Chun-Ting CHOU, Assignor
<u>09/28/2009</u> Date	<u></u> Richard CHEN, Assignor