

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>CASPER VAN DER AVOORT</td> <td>03/28/2012</td> </tr> <tr> <td>JOZEF THOMAS MARTINUS VAN BEEK</td> <td>03/28/2012</td> </tr> </tbody> </table>		Name	Execution Date	CASPER VAN DER AVOORT	03/28/2012	JOZEF THOMAS MARTINUS VAN BEEK	03/28/2012
Name	Execution Date						
CASPER VAN DER AVOORT	03/28/2012						
JOZEF THOMAS MARTINUS VAN BEEK	03/28/2012						
RECEIVING PARTY DATA							
Name:	NXP B.V.						
Street Address:	High Tech Campus 60						
City:	Eindhoven						
State/Country:	NETHERLANDS						
Postal Code:	NL-5656 AG						
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>13446894</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13446894		
Property Type	Number						
Application Number:	13446894						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	David L. Schaeffer						
Total Attachments: 1 source=81416403US03_Assignment_Signed#page1.tif							

CH \$40.00 13446894

JOINT ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we, as a below-named Assignor, hereby sell, assign, and transfer the entire and exclusive right, title, and interest in the following to **NXP B.V.**, having a place of business at High Tech Campus 60, NL-5656 AG, Eindhoven, NL, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee"):

(1) our invention relating to "**RESONATOR AND METHOD OF CONTROLLING THE SAME**" for which the following patent application(s) has/have been filed (I/we hereby authorize and request my/our attorneys associated with U.S. Patent & Trademark Office Customer Number 65913 to insert below the filing date and application number of the U.S. application when known):

<u>Country</u>	<u>Application No.</u>	<u>Filing Date</u> (mm/dd/yyyy)	<u>Claims Priority of</u>
US	13/446,894	04/13/2012	EP11162888.9
EP	11162888.9	04/18/2011	---

(2) the foregoing application(s) and all other United States, foreign and international patent applications associated therewith, based thereon, or claiming priority there from including, but not limited to, any and all provisionals, non-provisionals, divisions, continuations, continuations-in-part, re-examinations, 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.

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 **NXP B.V.**, for its sole use, and that of its successors, assigns, and legal representatives.

We will provide 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, 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.

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

28/3/2012
Date


_____, Assignor
CASPER VAN DER AVOORT

28/3/2012
Date


_____, Assignor
JOZEF THOMAS-MARTINUS VAN BIEK