

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Craig A. MacKenna</td> <td>12/14/2010</td> </tr> <tr> <td>Neil E. Birns</td> <td>12/14/2010</td> </tr> </tbody> </table>		Name	Execution Date	Craig A. MacKenna	12/14/2010	Neil E. Birns	12/14/2010				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>NXP B.V.</td> </tr> <tr> <td>Street Address:</td> <td>High Tech Campus 60</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</td> </tr> </table>		Name:	NXP B.V.	Street Address:	High Tech Campus 60	City:	Eindhoven	State/Country:	NETHERLANDS	Postal Code:	5656
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CORRESPONDENCE DATA											
<p>Fax Number: (408)518-5671</p> <p>Phone: 408-518-5500</p> <p>Email: ip.department.us@nxp.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Intellectual Property and Licensing NXP</p> <p>Address Line 1: 411 East Plumeria Drive, MS41</p> <p>Address Line 4: SAN JOSE, CALIFORNIA 95134</p>											
ATTORNEY DOCKET NUMBER:	81390404US02										
NAME OF SUBMITTER:	Thomas H. Ham										
<p>Total Attachments: 1</p> <p>source=81390404US02_Assignment#page1.tif</p>											

CH \$40.00 13487642

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, 5656 AG, Eindhoven, NL**, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee"):

- (1) our invention relates to "**UNIVERSAL COUNTER/TIMER CIRCUIT**"
- (2) the foregoing application 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 provisional's, non-provisional's, 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.

Dec. 14, 2010
Date

Craig A. Mackenna, Assignor
CRAIG A. MACKENNA

Dec 14, 2010
Date

Neil E. Birns, Assignor
NEIL E. BIRNS